

JAMECO®

ELECTRONICS
Great Products, Awesome Prices!

Catalog 262 / May 2006



**#1 prices
in the industry.
Guaranteed!**



**#1 availability
in the industry.
99+% in stock, always!**



**#1 choice
in the industry.
Bar none!**

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Your #1 Source For Real Choice

#1 Prices in the Industry!

For years, Jameco has offered a solid price guarantee that no one seems to dispute. Why don't the other electronic components catalogers challenge it? We think because they can't: the Jameco price guarantee is just that good! Simply stated, Jameco has the lowest prices you'll find in any catalog or advertisement – period. *We guarantee it!*

So if you ever run into a print-advertised price that's lower than an identical item in our catalog, we'll not only match the lower price, we'll beat it by an additional 10%, right down to our cost. No fine print, and no questions asked!

That's right, just give us a call and we'll take 10% off their price, not just 10% of the difference!

Remember, our buyers work tirelessly to bring you prices that are consistently 10% to 30% lower than market prices. And each time we score a special deal with our suppliers, we pass even deeper discounts on to you!

The result? Everyone saves, and saves big with Jameco Electronics. Guaranteed!



More Great Services – Online and Off!

It is possible to get both the best prices and the best services, all in one spot.

You'll find a host of other valuable services available on our web site too! Sure, most products include FREE detailed manufacturer's specifications in PDF form.

And yes, you'll find the latest price updates. We also have hundreds of thousands of product cross references, so



you'll be able to find alternatives to the specific manufacturer's part number you have. Looking for an RoHS equivalent to a product you currently buy? Just click on the Find Compliant button for the equivalent product.

Frequent buyers benefit further. We'll assign a personal rep who understands your needs, product requirements, logistical issues and more. And you don't have to be the size of IBM to receive this personalized service. Our customers have told us this service saves them time, reduces costs and eliminates headaches they have experienced elsewhere. We're sure you'll appreciate it too!

At Jameco, you can be sure you're getting the best combination of price and service around!

#1 Availability in the Industry!



Over 99% of this catalog's products are in stock, so you can rest assured there will be no delays. We believe this service level is unmatched by anyone in the industry.

99+%
In-Stock, Always!

And, when you shop at Jameco, you're assured your products get to you faster! For starters, you can place your order with a live person, not just voice mail, any time of day or night. And yes, we're there to take your order by phone, fax, web or email, whichever is most convenient for you!

Place an order for any item in this catalog before 6 PM EST and we'll ship it out the same day! No questions asked, and no priority charges. So if you request next day delivery, your order will arrive the next business day.

If you need it fast, remember Jameco!

#1 Choice in the Industry!



Jameco is very different; a good different. We strive to provide you with **Real Choice**. Instead of offering several different brands of the same product, all priced about the same, and all of about the same specification, we offer a **Real Choice**. In addition to offering popular name brands at the lowest prices for BOMs and AVLs that require them, we also offer in-house (generic) brands for greater savings up to 20-30%. Engineers tell us they often look upon passive, electromechanical and interconnect products as commodity items. Brands are not nearly as important as they are with semiconductors. The engineer simply wants a good quality product from a reputable supplier at the best price available.

That's why we offer professional-grade Jameco house brands of non-semiconductor products at substantially reduced prices; typically 20-30% below popular name brands. Instead of offering multiple name brands of a single-class, all at about the same price, Jameco gives you a **Real Choice** unavailable from other distributors.

Jameco makes comparisons easier too! We offer side-by-side listings, allowing you to compare like products on the same catalog page. Whether you need a name brand or the extra savings of Jameco's house brand, you are able to easily compare the products and prices, even when considering volume discounts! At Jameco, **Real Choice** has real value. Now you have a **Real Choice** in both name brand and money-saving Jameco house brands, all offered at the guaranteed lowest prices.

Are you taking advantage of the choice?

Both!
Popular Brands
+
Generic Equivalents
for Greater Savings

Check Out These Money Saving Sample Price Comparisons*

Take a look through this sampling of recent price differences among our competitors, and take advantage of the substantial savings! Pricing will fluctuate, so please be sure to double-check when making purchases. But always remember, with Jameco you'll always get the lowest price! **GUARANTEED!**

Product Description	Jameco® Part No.	Jameco Page #	Jameco® Price	Digi-Key® Corp.	Mouser® Electronics	Newark InOne®	Minimum Savings Discount	
Capacitor, Mica, 1nF, 100V, 5%	16011CK	71	\$1.19	\$3.80	\$1.85	\$1.90	\$0.66	35.7%
Cermet Pot, 50k, 3362P-503	254027CK	85	\$0.59	\$0.83	\$0.83	\$0.981	\$0.24	28.9%
BNC, Amphenol 31-2221, Recept.	223538CK	141	\$2.89	\$4.18	\$3.90	\$4.16	\$1.01	25.9%
EEPROM, 24C01128x8, DIP	276592CK	13	\$0.36	\$0.45	\$0.48	\$0.596	\$0.09	20.0%
Fan, 54CFM, 3.63" sq. x 1", 12VDC	319193CK	190	\$7.95	\$31.14	\$30.98	\$27.43	\$19.48	71.0%
Logic, 74ACT138, DIP	212038CK	18	\$0.25	\$0.68	\$0.62	\$0.432	\$0.182	42.1%
Logic, 74AHC374, DIP	214210CK	19	\$0.44	\$0.66	\$0.70	\$0.66	\$0.22	33.3%
Logic, 74ALS240A, DIP	245753CK	29	\$0.63	\$0.75	\$0.75	\$0.75	\$0.12	16.0%
MOC3010 Opto-isolator	26278CK	50	\$0.56	\$0.79	\$0.87	\$0.821	\$0.23	29.1%
Relay, 4PDT, 5A, 12 VDC	291506CK	179	\$4.45	\$7.63	\$7.06	\$6.76	\$2.31	34.2%
MCT6, DIP	24918CK	50	\$0.56	\$0.84	\$0.83	\$0.874	\$0.27	32.5%
TIP31C, TO-220	179354CK	43	\$0.49	\$0.60	\$0.83	\$0.612	\$0.11	18.3%
Toroid, 150uH, Vertical	208320CK	87	\$4.35	\$6.24	\$6.81	\$6.25	\$1.89	30.3%

* This chart is a snapshot of single-unit prices taken from each party's website on February 28, 2006. Prices shown do not reflect added shipping & handling charges or any available discounts.

RoHS Compliant Products: Now at Jameco!

Jameco brings you even more CHOICE! Yes, we'll continue to be your prime source for the *lowest-priced* legacy products, and now over 80% of the products in this catalog are available in RoHS compliant versions for those shipping product to the European Union!

Products are coded for your convenience.

RoHS compliant products are marked with the **R**. Many other non-compliant products have a **+** to indicate both compliant and non-compliant versions are available. Simply add an R to the beginning of the non-compliant Part Number and you'll get the RoHS equivalent product at the best available market price.

Need more RoHS information? Visit our web site at www.Jameco.com/RoHS.

Products throughout the catalog and web site are identified as RoHS compliant. Based on information provided solely by our suppliers, identified products do not contain the substances prohibited by the European Community Directive (2002/95/EC) on the Restriction of the use of certain Hazardous Substances, commonly known as the RoHS Directive, at levels in excess of the anticipated maximum concentration values. Since not all member states of the European Community have implemented the RoHS Directive into their national law as of the printing of this catalog, the foregoing represents our understanding of how the law is likely to be implemented. Jameco obtains RoHS compliance status solely from its suppliers and does not verify or confirm such status.

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The Jameco RobotStore

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PRICES

Prices are effective 04-10-06.

Prices and discounts are subject to change without notice.

Jameco ValuePro™

A *Real Choice* in Passives, Interconnects & Electromechanical!

When you're looking for a choice, be sure to look for the Jameco **ValuePro™** products throughout this catalog. Choosing **ValuePro** products assures you that you'll be selecting the low-price leader with professional-grade quality and reliability. You'll also be receiving Jameco's value, service and support. **ValuePro** is our exclusive specialty brand of passives, interconnects and



electromechanical devices that pass our highest standards of performance. You can trust they'll be consistently reliable, compatible, available and of course, value priced too! Check them out – you'll save 20 – 30% versus the name brand equivalent.



See pages 64-188.

Great Reactance; More Inductors!

Great inductors are easy to find at Jameco Electronics. We've added several new groups, including surface mount, to better supply your needs! Jameco now offers over 100 new surface mount inductors to complement the already large variety of axial leaded chokes we previously stocked. Be sure to check out pages 86-88 for the 805, 1008, 1210, and 1812 J.W. Miller equivalent chokes.



We also offer an even greater selection of devices to protect your circuits. Be sure to check out the popular Littlefuse ZA and LA MOV (Metal Oxide Varistor) family equivalents on page 91.

MOSFETs Galore... and More!

Jameco just expanded its line of MOSFETs dramatically! You won't want to miss the savings on the complete selection, which consists of a wide variety of voltage and current configurations. These frequently-purchased N and P-Channel devices are available in surface-mount and through-hole packages, so you'll save in both production and prototype environments. Plus, they're priced lower than you'll find in any other catalog... we guarantee it!



See pages 45-46.

A *Real Choice* of Professional-Grade, Workbench Tools

The Jameco **BenchPro™** brand of standard-setting workbench instruments combines accuracy, professional-grade quality and great low prices. We've reduced the risk of low-quality by shopping and comparing each product's performance and quality for you. If it isn't up to our standards, you won't see the **BenchPro** logo. These devices were selected for our specialty brand because each met our high standards for quality, rock-solid performance and unbeatable value. And because Jameco stands behind each **BenchPro** product, you can trust that dependable service and support are just a phone call away!



Low-Cost AC Switches

Jameco now offers the SanRex line of triacs at the lowest prices around. You'll find a wide variety of devices in standard, sensitive gate and 150°C Tj configurations. Plus, our line includes surface mount, through-hole and fast-on packaging, so you'll find styles suitable for prototyping and manufacturing. SanRex is highly reputed for its excellent quality and performance, which has resulted from years of utilizing the latest technologies. And as always, when you get these devices from Jameco, rest assured you're getting the guaranteed lowest price available!



A *Real Choice* in Power Products & Motors

Jameco **ReliaPro™** products meld reliability with maximum performance and great prices. We've got a wide range of enclosed, open-frame, wall-mount and table-top power supplies, each focused on our customers' most-requested specs. Because we know you're looking for the best, **ReliaPro** products have to pass our exhaustive multi-point review before they are ever listed in the catalog or on the web site. As a result, you'll receive professional-grade quality, reliability and value in every product. Remember, you'll find the popular name brands you're accustomed to in our catalog at below-market prices.



See pages 216-222.



And when you're looking for a choice that provides an additional 20% or more savings, be sure to check out our **ReliaPro** products.

Super Bright, Super Flux LED's

With output intensities up to 7,500 mcd, these devices will be easily seen wherever you put them. Light your board, your caution signal or maybe even your lab with our new line of super-bright, low-profile, high-flux, through-hole LED's. These 7.62mm x 7.62mm devices provide bright and uniform light distribution for automotive, industrial, marine, emergency signals and many other applications. We offer them in all the popular colors: blue, white, green, amber and red. Available in both 40° & 70° viewing angles.



See pages 51-54.

New Resistor Families

In need of compact Xicon power resistors? We now stock a broad range of 5 Watt, 5% cement wire-wound devices for your power applications. Small, sturdy, reliable and moisture-resistant devices are packaged in flame retardant ceramic material. Additionally, we've filled out our line of 1/2 Watt carbon film resistors, making it easier for you to find the devices you need at the best possible prices. Be sure to look at pages 80-81 for more information now!



Not Finding What You Need?

Jameco offers 10's of 1,000's more products on our web site. Just visit www.Jameco.com and enter the needed manufacturer's part number in our part search box located at the top left corner. Just click on **Go** to quickly discover which items we have, available cross references and some recommended substitutes.



RoHS Compliant Solder & Solder Pots

Jameco now offers compliant solder spools and bars to supply your soldering stations. When you're ready for a contamination-free solder pot, look to our low-cost, temperature-adjustable 300W and 600W units on page 287. They're fully RoHS compliant, so you can send the solder pots to Europe too!



See pages 284-289.

New! Amphenol Connex Connectors

Looking for a crimped alternative to Amphenol's RF line of high-frequency connectors? Jameco now offers the Amphenol Connex series of commercial-grade connectors for those who prefer crimp over solder and clamp style connectors. Be sure to look to pages 142-143 for SMA, SMB, N, UHF, BNC and TNC connectors. They're all priced to help you save big!



Real Choice In Money-Saving House-Brands & Popular Name Brands!

Jameco is the only major electronics distributor to provide you a **real choice** in products. We provide you with both well-known name-brand devices for BOMs that require them, and Jameco house brands for the greatest savings. **It's your choice.**

Jameco's unique blend of products expands your buying power. Now, in addition to name-brand products, you can purchase trusted **Jameco ValuePro™** and **ReliaPro™** electronic components at greatly reduced prices. And these comparable-quality products are typically priced 20-30% below equivalent name brands!



Open this catalog now to see what **real choice** is all about!

Jameco Now Offers These Popular Name Brands Too!

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200521CK	PIC18C452/JW	DIP-40	EPROM	40	32k	1536	23.....	21.49	20.60
310973CK	PIC10F200-I/P	DIP-8	Flash	4	384	16	4.....	.88	.82
310981CK	PIC10F202-I/P	DIP-8	Flash	4	768	24	4.....	1.03	.94
311010CK	PIC10F204-I/P	DIP-8	Flash	4	384	16	4.....	1.02	.94
311028CK	PIC10F206-I/P	DIP-8	Flash	4	768	24	4.....	1.16	1.08
145111CK	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13.....	6.59	4.39
145120CK	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13.....	7.09	6.49
223790CK	PIC12F629-I/P	DIP-8	Flash	20	1k	64	6.....	\$1.50	1.49 1.25
247193CK	PIC12F629-I/SN	SOIC-8	Flash	20	1k	64	6.....	1.59	1.41
312493CK	PIC12F635-I/P	DIP-8	Flash	20	2k	64	6.....	1.79	1.66
312506CK	PIC12F635-I/SN	SOIC-8	Flash	20	2k	64	6.....	1.79	1.66
223781CK	PIC12F675-I/P	DIP-8	Flash	20	1k	64	6.....	1.69	1.07
247206CK	PIC12F675-I/SN	SOIC-8	Flash	20	1k	64	6.....	1.95	1.66
312514CK	PIC12F683-I/P	DIP-8	Flash	20	4k	128	6.....	2.19	2.05
312522CK	PIC12F683-I/SN	SOIC-8	Flash	20	4k	128	6.....	2.19	2.05
323096CK	PIC16F505-I/P	DIP-14	Flash	20	1k	72	12.....	1.65	1.49
312531CK	PIC16F54-I/P	DIP-18	Flash	20	512	25	12.....	1.79	1.73
312549CK	PIC16F54-I/SO	SOIC-18	Flash	20	512	25	12.....	1.79	1.73
312557CK	PIC16F57-I/P	DIP-28	Flash	20	2k	72	20.....	2.39	2.29
312565CK	PIC16F57-I/SO	SOIC-28	Flash	20	2k	72	20.....	2.29	2.21
193439CK	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16.....	3.29	2.88
193447CK	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16.....	\$3.69	3.49 2.52
246730CK	PIC16F628-20/SO	SOIC-18	Flash	20	2k	224	16.....	3.69	2.88
246748CK	PIC16F628-20/SS	SSOP-20	Flash	20	2k	224	16.....	\$3.69	3.09 2.82
246756CK	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16.....	4.05	3.15
246764CK	PIC16F628-20/SO	SOIC-18	Flash	20	2k	224	16.....	3.39	3.17
223749CK	PIC16F630-I/P	DIP-14	Flash	20	1k	64	12.....	1.89	1.67
247126CK	PIC16F630-I/SL	SOIC-14	Flash	20	1k	128	12.....	1.85	1.65
247134CK	PIC16F630-I/ST	TSSOP-14	Flash	20	1k	128	12.....	1.95	1.85
312573CK	PIC16F636-I/P	DIP-14	Flash	20	2k	128	12.....	2.09	1.91
312581CK	PIC16F636-I/ST	TSSOP-14	Flash	20	2k	128	12.....	2.19	2.05
247142CK	PIC16F648A-I/P	DIP-18	Flash	20	4k	256	16.....	3.25	2.55
247151CK	PIC16F648A-I/SO	SOIC-18	Flash	20	4k	256	16.....	2.95	2.58
247169CK	PIC16F648A-I/SS	SSOP-20	Flash	20	4k	256	16.....	3.05	2.80
223757CK	PIC16F676-I/P	DIP-14	Flash	20	1k	64	12.....	2.39	1.40
247177CK	PIC16F676-I/SL	SOIC-14	Flash	20	1k	64	12.....	2.15	1.95
247185CK	PIC16F676-I/ST	TSSOP-14	Flash	20	1k	64	12.....	2.35	2.10
312590CK	PIC16F684-I/P	DIP-14	Flash	20	2k	128	12.....	2.25	1.85
312602CK	PIC16F684-I/ST	TSSOP-14	Flash	20	2k	128	12.....	2.59	2.39
312611CK	PIC16F688-I/P	DIP-14	Flash	20	4k	256	12.....	2.79	2.59
312629CK	PIC16F688-I/ST	TSSOP-14	Flash	20	4k	256	12.....	3.05	2.79
312637CK	PIC16F716-I/P	DIP-18	Flash	20	2k	128	13.....	2.35	2.17
312645CK	PIC16F716-I/SO	SOIC-18	Flash	20	2k	128	13.....	2.35	2.17
312661CK	PIC16F72-I/SO	SOIC-18	Flash	20	2k	128	13.....	3.15	2.90
312653CK	PIC16F72-I/SP	DIP-28	Flash	20	2k	128	13.....	3.15	2.90
312688CK	PIC16F737-I/SO	SOIC-28	Flash	20	4k	368	25.....	5.55	4.75
312670CK	PIC16F737-I/SP	DIP-28	Flash	20	4k	368	25.....	5.39	4.65
246801CK	PIC16F73-I/SO	SOIC-28	Flash	20	4k	192	22.....	4.85	4.55
193391CK	PIC16F73-I/SP	DIP-28	Flash	20	4k	192	5.....	5.19	4.22
246810CK	PIC16F73-I/SS	SSOP-28	Flash	20	4k	192	22.....	4.95	4.65
312696CK	PIC16F747-I/P	DIP-40	Flash	20	4k	368	36.....	6.45	5.45
246772CK	PIC16F74-I/L	PLCC-44	Flash	20	4k	192	33.....	\$6.99	6.39 5.79
193404CK	PIC16F74-I/P	DIP-40	Flash	20	4k	192	8.....	6.19	5.47
246781CK	PIC16F74-I/P	TOFP-44	Flash	20	4k	192	33.....	6.85	6.60
312717CK	PIC16F767-I/SO	SOIC-28	Flash	20	8k	368	25.....	6.69	5.63
312709CK	PIC16F767-I/SP	DIP-28	Flash	20	8k	368	25.....	6.29	5.38
246828CK	PIC16F76-I/SO	SOIC-28	Flash	20	8k	368	22.....	5.85	5.65
193412CK	PIC16F76-I/SP	DIP-28	Flash	20	8k	368	5.....	6.49	5.65
246836CK	PIC16F76-I/SS	SSOP-28	Flash	20	8k	368	22.....	5.99	5.79
312725CK	PIC16F777-I/P	DIP-40	Flash	20	8k	368	36.....	6.55	6.05
246799CK	PIC16F77-I/L	PLCC-44	Flash	20	8k	368	33.....	7.55	7.35
193421CK	PIC16F77-I/P	DIP-40	Flash	20	8k	368	8.....	5.25	4.79
223765CK	PIC16F818-I/P	DIP-18	Flash	20	1k	128	16.....	2.75	2.36
247054CK	PIC16F818-I/SO	SOIC-18	Flash	20	1k	128	16.....	2.75	2.45
247062CK	PIC16F818-I/SS	SSOP-20	Flash	20	1k	128	16.....	2.95	2.62

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

MICROCHIP PIC Microcontrollers

SSOP

PLCC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
223773CK	PIC16F819-I/P	DIP-18	Flash	20	2k	256	16	\$3.59 \$2.85	\$2.29
247089CK	PIC16F819-I/SO	SOIC-18	Flash	20	2k	256	16	3.05	2.75
247071CK	PIC16F819-I/SS	SSOP-20	Flash	20	2k	256	16	3.35	2.95
193332CK	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	5.59	4.66
246844CK	PIC16F84A-20/SO	SOIC-18	Flash	20	1k	68	13	5.45	5.15
246852CK	PIC16F84A-20/SS	SSOP-20	Flash	20	1k	68	13	5.95	5.75
246861CK	PIC16F84A-20I/P	DIP-18	Flash	20	1k	68	13	6.25	5.55
246879CK	PIC16F84A-20I/SO	SOIC-18	Flash	20	1k	68	13	5.85	5.65
246887CK	PIC16F84A-20I/SS	SSOP-20	Flash	20	1k	68	13	6.55	6.30
246908CK	PIC16F870-I/SO	SOIC-28	Flash	20	2k	128	22	4.05	3.90
246895CK	PIC16F870-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.05
246916CK	PIC16F870-I/SS	SSOP-28	Flash	20	2k	128	22	4.25	4.00
246932CK	PIC16F871-I/L	PLCC-44	Flash	20	2k	128	33	5.85	5.68
246924CK	PIC16F871-I/P	DIP-40	Flash	20	2k	128	33	5.15	4.25
246959CK	PIC16F872-I/SO	SOIC-28	Flash	20	2k	128	22	4.05	3.88
246941CK	PIC16F872-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.73
246967CK	PIC16F872-I/SS	SSOP-28	Flash	20	2k	128	22	4.15	4.00
246983CK	PIC16F873A-I/SO	SOIC-28	Flash	20	4k	192	22	5.75	5.55
246975CK	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.50
247003CK	PIC16F874A-I/L	PLCC-44	Flash	20	4k	192	33	7.35	7.10
246991CK	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	6.75	6.00
193367CK	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	6.79	4.85
247020CK	PIC16F876A-I/SO	SOIC-28	Flash	20	8k	368	22	6.05	5.95
247011CK	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	\$6.65 6.19	4.17
176882CK	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.29	8.05
247046CK	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.15	7.65
247038CK	PIC16F877A-I/P	DIP-40	Flash	20	8k	368	33	7.25	4.80
247097CK	PIC16F87-I/P	DIP-18	Flash	20	4k	368	16	\$4.05 3.39	3.15
247100CK	PIC16F87-I/SO	SOIC-18	Flash	20	4k	368	16	3.45	3.19
247118CK	PIC16F87-I/SS	SSOP-20	Flash	20	4k	368	16	3.85	3.69
312733CK	PIC16F88-I/P	DIP-18	Flash	20	7k	368	16	4.15	3.05
312741CK	PIC16F88-I/SO	SOIC-18	Flash	20	7k	368	16	4.25	3.42
248090CK	PIC18F1220-I/P	DIP-18	Flash	40	2k	256	16	4.35	3.89
248102CK	PIC18F1220-I/SO	SOIC-18	Flash	40	2k	256	16	4.35	3.95
248111CK	PIC18F1320-I/P	DIP-18	Flash	40	4k	256	16	4.89	4.40
248129CK	PIC18F1320-I/SO	SOIC-18	Flash	40	4k	256	16	4.89	4.40
311861CK	PIC18F2220-I/SP	DIP-28	Flash	40	4k	512	25	6.69	6.15
311917CK	PIC18F2320-I/SO	SOIC-28	Flash	40	8k	512	25	7.05	6.65
311909CK	PIC18F2320-I/SP	DIP-28	Flash	40	8k	512	25	7.05	6.64
311984CK	PIC18F2331-I/SO	SOIC-28	Flash	40	8k	512	25	7.79	7.17
311950CK	PIC18F2331-I/SP	DIP-28	Flash	40	8k	768	24	7.85	7.21
247986CK	PIC18F242-I/SO	SOIC-28	Flash	40	8k	768	23	7.39	6.61
247978CK	PIC18F242-I/SP	DIP-28	Flash	40	8k	768	23	7.39	6.61
312098CK	PIC18F2431-I/SO	SOIC-28	Flash	40	16k	768	24	8.05	7.45
312071CK	PIC18F2431-I/SP	DIP-28	Flash	40	16k	768	24	8.09	7.46

Programming & Customizing
PICmicro Microcontrollers

Second Edition

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. Shows what happens within the PICmicro® when an instruction is executed and how it interfaces with external devices. (1190 pages, 2001)

Includes: PIC PCB

Part No.	Description	Size	Wt. (lbs.)	Price
183046CK	PICmicro Programming	9.2" x 7.3"	4.0	\$49.95

Easy Microcontrol'n

Beginners Guide (Version 4)

Square 1 Electronics A revision of and successor to Easy PIC'n that covers Peripheral Interface Controller (PIC) PIC16F84, writing programs, interrupts, timing and counting. (178 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
215061CK	Easy Microcontrol'n	8.5" x 11.0"	1.2	\$34.95

MICROCHIP PIC Microcontrollers

DIP

SOIC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
312274CK	PIC18F2439-I/SO	SOIC-28	Flash	40	12k	640	21	\$7.09	\$6.79
312231CK	PIC18F2439-I/SP	DIP-28	Flash	40	12k	640	21	7.09	6.79
312291CK	PIC18F248-I/SO	SOIC-28	Flash	40	16k	768	22	8.49	7.85
312282CK	PIC18F248-I/SP	DIP-28	Flash	40	16k	768	22	8.49	8.15
312311CK	PIC18F2525-I/SO	SOIC-28	Flash	40	48k	3986	25	8.75	7.70
312303CK	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.05	8.31
248006CK	PIC18F252-I/SO	SOIC-28	Flash	40	16k	1536	23	8.05	7.20
247994CK	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.05	6.60
312346CK	PIC18F2539-I/SO	SOIC-28	Flash	40	24k	1408	21	7.75	7.10
312338CK	PIC18F2539-I/SP	DIP-28	Flash	40	24k	1408	21	7.69	7.40
248022CK	PIC18F258-I/SO	SOIC-28	Flash	40	16k	1536	23	9.65	8.62
248014CK	PIC18F258-I/SP	DIP-28	Flash	40	16k	1536	23	9.65	8.62
312400CK	PIC18F4220-I/P	DIP-40	Flash	40	4k	512	36	7.15	7.05
312426CK	PIC18F4320-I/P	DIP-40	Flash	40	8k	512	36	7.95	7.70
312434CK	PIC18F4331-I/P	DIP-40	Flash	40	8k	768	36	8.89	7.86
248081CK	PIC18F442-I/L	PLCC-44	Flash	40	8k	768	34	8.99	8.63
248073CK	PIC18F442-I/P	DIP-40	Flash	40	8k	768	34	8.15	7.35
312451CK	PIC18F4431-I/P	DIP-40	Flash	40	16k	768	36	8.85	8.15
312442CK	PIC18F4439-I/P	DIP-40	Flash	40	12k	640	32	7.89	7.55
312477CK	PIC18F448-I/L	PLCC-44	Flash	40	16k	768	33	9.65	9.47
312469CK	PIC18F448-I/P	DIP-40	Flash	40	16k	768	33	8.69	8.34
248049CK	PIC18F452-I/L	PLCC-44	Flash	40	16k	1536	34	10.29	9.26
248031CK	PIC18F452-I/P	DIP-40	Flash	40	16k	1536	34	8.85	7.59
312485CK	PIC18F4539-I/P	DIP-40	Flash	40	24k	1408	32	8.55	8.30
248065CK	PIC18F458-I/L	PLCC-44	Flash	40	16k	1536	34	11.15	10.05
248057CK	PIC18F458-I/P	DIP-40	Flash	40	16k	1536	34	\$9.79 9.25	7.05
145040CK	PIC12C508A-04/P	DIP-8	OTP	4	512	25	5	1.49	.99
144258CK	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09
193455CK	PIC12C671-04/P	DIP-8	OTP	4	1k	128	6	\$2.79 2.55	2.42
193463CK	PIC12C672-04/P	DIP-8	OTP	4	2k	128	6	2.79	2.44
200475CK	PIC12518-04/P	DIP-8	OTP	4	512	25	6	1.69	1.55
200483CK	PIC12519-04/P	DIP-8	OTP	4	1k	41	6	1.75	1.59
247370CK	PIC14000-4/SO	SOIC-28	OTP	4	4k	192	22	11.65	11.64
247361CK	PIC14000-4/SP	DIP-28	OTP	4	4k	192	22	11.99	11.45
128338CK	PIC16C54A-04/P	DIP-18	OTP	4	512	25	12	2.25	2.02
247388CK	PIC16C554-4/P	DIP-18	OTP	4	512	80	13	3.75	3.73
247396CK	PIC16C554-4/SO	SOIC-18	OTP	4	512	80	13	3.85	3.80
200416CK	PIC16C55A-04/P	DIP-28	OTP	4	512	24	20	2.45	2.25
193341CK	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	\$3.19 2.79	1.93
193383CK	PIC16C622A-04/P	DIP-18	OTP	4	2k	128	13	2.65	2.40
200424CK	PIC16C66-04/SP	DIP-18	OTP	4	8k	368	22	5.95	5.35
193359CK	PIC16C711-04/P	DIP-18	OTP	4	1k	68	13	\$3.99 3.25	2.20
200467CK	PIC16C715-04/P	DIP-18	OTP	4	2k	128	13	4.25	3.88
200432CK	PIC16C72A-04/SP	DIP-28	OTP	4	2k	128	22	4.79	4.39
200441CK	PIC16C73A-04/SP	DIP-28	OTP	4	4k	192	22	8.25	7.79
247847CK	PIC16C923-04I/L	PLCC-68	OTP	4	4k	176	52	6.75	6.41
248137CK	PIC12673-10/P	DIP-8	OTP	10	1k	128	5	3.39	3.21
248145CK	PIC12674-10/P	DIP-8	OTP	10	2k	128	5	3.45	3.05
247880CK	PIC17C42A-16/L	PLCC-44	OTP	16	2k	232	33	10.39	10.10
247871CK	PIC17C42A-16/P	DIP-40	OTP	16	2k	232	33	9.39	8.75
200459CK	PIC16C505-04/P	DIP-14	OTP	20	1k	72	12	1.09	.99
247337CK	PIC16C505-20I/SL	SOIC-14	OTP	20	1k	72	11	1.99	1.78
247214CK	PIC16C54C-20I/P	DIP-18	OTP	20	512	25	12	2.35	2.08
247222CK	PIC16C54C-20I/SO	SOIC-18	OTP	20	512	25	12	2.35	2.15
247231CK	PIC16C54C-20I/SS	SSOP-20	OTP	20	512	25	12	2.45	2.30

Time'n and Count'n

Intermediate Level PIC Applications

Square 1 Electronics This book previously appeared in PIC'n Techniques book. The more current PIC16F870 is substituted for the PIC16C63. Topics such as test equipment for timing & counting experiments to using timer 1 & 2, and capture/compare/PWM as well as programs are included in this book. (218 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
210489CK	Time'n and Count'n	8.5" x 11.0"	1.4	\$34.95

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

PIC Microcontrollers

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247409CK	PIC16C558-20/P	DIP-18	OTP	20	2k	128	13	\$4.99	\$4.84
247417CK	PIC16C558-20/SO	SOIC-18	OTP	20	2k	128	13	4.95	4.92
247257CK	PIC16C55A-20/SO	SOIC-28	OTP	20	512	24	20	3.05	2.75
247249CK	PIC16C55A-20/P	DIP-28	OTP	20	512	24	20	2.95	2.92
247273CK	PIC16C56A-20/SO	SOIC-18	OTP	20	1k	25	12	2.55	2.39
247265CK	PIC16C56A-20/P	DIP-18	OTP	20	1k	25	12	2.85	2.55
134172CK	PIC16C56-RC/P	DIP-18	OTP	20	1k	25	12	4.05	3.35
247290CK	PIC16C57C-20/SO	SOIC-28	OTP	20	2k	72	20	3.55	3.25
247311CK	PIC16C58B-20/SO	SOIC-18	OTP	20	2k	73	12	2.65	2.53
247505CK	PIC16C620A-20/P	DIP-18	OTP	20	512	96	13	2.25	2.05
247513CK	PIC16C620A-20/SO	SOIC-18	OTP	20	512	96	13	2.15	2.06
247521CK	PIC16C621A-20/P	DIP-18	OTP	20	1k	96	13	2.55	2.49
247530CK	PIC16C621A-20/SO	SOIC-18	OTP	20	1k	96	13	2.59	2.54
247548CK	PIC16C622A-20/P	DIP-18	OTP	20	2k	128	13	3.15	2.97
247556CK	PIC16C622A-20/SO	SOIC-18	OTP	20	2k	128	13	3.05	2.86
247433CK	PIC16C62B-20/SO	SOIC-28	OTP	20	2k	128	22	4.25	3.94
193324CK	PIC16C63A-20/SP	DIP-28	OTP	20	4k	192	22	\$5.49	4.95 4.84
247450CK	PIC16C65B-20/L	PLCC-44	OTP	20	4k	192	33	7.85	7.83
247441CK	PIC16C65B-20/P	DIP-40	OTP	20	4k	192	33	6.15	5.96
247476CK	PIC16C66-20/SO	SOIC-28	OTP	20	8k	368	22	8.25	7.75
247468CK	PIC16C66-20/SP	DIP-28	OTP	20	8k	368	22	8.25	7.75
247492CK	PIC16C67-20/L	PLCC-44	OTP	20	8k	368	33	9.15	8.95
247484CK	PIC16C67-20/P	DIP-40	OTP	20	8k	368	33	8.25	7.75
247581CK	PIC16C710-20/P	DIP-18	OTP	20	512	36	13	3.75	3.05
247599CK	PIC16C711-20/P	DIP-18	OTP	20	1k	68	13	\$4.65	4.05 3.60
247601CK	PIC16C711-20/SO	SOIC-18	OTP	20	1k	68	13	4.45	3.68
247610CK	PIC16C712-20/P	DIP-18	OTP	20	1k	128	13	3.05	2.85
247628CK	PIC16C712-20/SO	SOIC-18	OTP	20	1k	128	13	3.15	2.95
247636CK	PIC16C715-20/P	DIP-18	OTP	20	2k	68	13	4.25	3.68
247644CK	PIC16C715-20/SO	SOIC-18	OTP	20	2k	68	13	4.35	4.05
247652CK	PIC16C716-20/P	DIP-18	OTP	20	2k	128	13	3.85	3.25
247661CK	PIC16C716-20/SO	SOIC-18	OTP	20	2k	128	13	3.95	3.35
247679CK	PIC16C717-1/P	DIP-20	OTP	20	2k	256	16	3.75	3.20
247687CK	PIC16C717-SO	SOIC-20	OTP	20	2k	256	16	3.25	2.95
247695CK	PIC16C72A-20/P	DIP-28	OTP	20	2k	128	22	5.35	5.16
247708CK	PIC16C72A-20/SO	SOIC-28	OTP	20	2k	128	22	5.65	5.16
247716CK	PIC16C770-1/P	DIP-20	OTP	20	2k	256	16	4.15	3.15
247724CK	PIC16C770-SO	SOIC-20	OTP	20	2k	256	16	3.25	2.86
247732CK	PIC16C771-1/P	DIP-20	OTP	20	2k	256	16	3.95	3.45
247741CK	PIC16C771-1/SO	SOIC-20	OTP	20	2k	256	16	3.95	3.48
247767CK	PIC16C773-1/SO	SOIC-28	OTP	20	4k	256	22	7.05	6.25
247759CK	PIC16C773-1/SP	DIP-28	OTP	20	4k	256	22	7.05	6.25
247783CK	PIC16C774-1/L	PLCC-44	OTP	20	4k	256	33	9.75	9.69
247775CK	PIC16C774-1/P	DIP-40	OTP	20	4k	256	33	7.95	7.57
247345CK	PIC16HV540-20/P	DIP-18	OTP	20	512	25	12	2.35	2.05
247353CK	PIC16HV540-20/SO	SSOP-20	OTP	20	512	25	12	2.35	2.22
247804CK	PIC16C745-1/SO	SOIC-28	OTP	24	8k	256	22	4.55	3.95
247791CK	PIC16C745-1/SP	DIP-28	OTP	24	8k	256	22	5.15	3.95
247821CK	PIC16C765-1/L	PLCC-44	OTP	24	8k	256	33	6.39	6.05
247812CK	PIC16C765-1/P	DIP-40	OTP	24	8k	256	33	5.55	4.75

PIC Microcontrollers

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247901CK	PIC17C43-25/L	PLCC-44	OTP	25	4k	454	33	\$13.85	\$13.10
247898CK	PIC17C43-25/P	DIP-40	OTP	25	4k	454	33	11.05	10.50
247927CK	PIC17C44-33/L	PLCC-44	OTP	33	8k	454	33	15.39	14.74
247919CK	PIC17C44-33/P	DIP-40	OTP	33	8k	454	33	14.75	13.10
247935CK	PIC17C752-33/L	PLCC-68	OTP	33	8k	678	50	13.95	13.57
247943CK	PIC17C756A-33/L	PLCC-68	OTP	33	16k	902	50	16.05	15.65
247951CK	PIC17C762-16/L	PLCC-84	OTP	33	8k	678	66	16.85	16.80
247960CK	PIC17C766-33/L	PLCC-84	OTP	33	16k	902	66	19.25	18.73
200491CK	PIC18C242-1/SP	DIP-28	OTP	40	16k	512	23	6.65	6.40
200504CK	PIC18C252-1/SP	DIP-28	OTP	40	32k	1536	23	7.25	6.95
200512CK	PIC18C452-1/P	DIP-40	OTP	40	32k	1536	23	8.05	7.10

Microcontrollers

Part No.	Product No.	Pkg.	Description	1	25
248330CK	ATMEGA8-16PI	DIP-28	8-bit MCU, 8kB flash, 16MHz, 23 I/O	\$5.05	\$4.05
323133CK	ATMEGA16-16PI	DIP-40	8-bit MCU, 16kB flash, 16MHz, 32 I/O, I-temp	6.25	3.91
248153CK	ATTINY11-6PC	DIP-8	8-bit MCU, 1kB flash, 6MHz, 6 I/O	1.48	1.32
248161CK	ATTINY11-6SI	SOIC-8	8-bit MCU, 1kB flash, 6MHz, 6 I/O, I-temp	1.79	1.51
248170CK	ATTINY12-8PC	DIP-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O	1.55	1.25
248188CK	ATTINY12-8SI	SOIC-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O, I-temp	1.55	1.38
248196CK	ATTINY15L-1PC	DIP-8	8-bit MCU, 1kB flash, 16MHz, 6 I/O	1.85	1.18
248209CK	ATTINY15L-1SI	SOIC-8	8-bit MCU, 1kB flash, 16MHz, 6 I/O, I-temp	2.99	2.53
248217CK	ATTINY26-16PC	DIP-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O	2.05	1.23
248225CK	ATTINY26-16SI	SOIC-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O, I-temp	2.35	2.09
248233CK	ATTINY28L-4PC	DIP-28	8-bit MCU, 2kB flash, 4MHz, 11 I/O	2.15	2.05
248348CK	ATMEGA8515-16J	PLCC-44	8-bit MCU, 8kB flash, 16MHz, 35 I/O, I-temp	5.19	5.05
323141CK	ATMEGA8515-16PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	4.59	3.40
395621CK	ATMEGA8515L-8PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	4.49	3.05
168866CK	AT89C1051-24PC	DIP-20	8-bit MCU, 1kB flash, 24MHz, 15 I/O	2.65	2.15
168874CK	AT89C2051-24PC	DIP-20	8-bit MCU, 2kB flash, 24MHz, 15 I/O	\$2.49	2.25 2.15
265332CK	AT89C2051-12PC	DIP-20	8-bit MCU, 2kB flash, 12MHz, 15 I/O	2.99	2.60
204089CK	AT89C4051-24PC	DIP-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	1.79	1.48
323109CK	AT89C4051-24SC	SOIC-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	\$2.05	1.75 1.25
168911CK	AT89C51-24JC	PLCC-44	8-bit MCU, 4kB flash, 24MHz, 32 I/O	3.79	3.39
168930CK	AT89C51-24PC	DIP-40	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.95	4.35
168920CK	AT89C52-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	3.45	2.85
355830CK	AT89S51-24PC	DIP-40	8-bit MCU, 4kB flash, 33MHz, 32 I/O	\$4.95	1.75 1.29
220871CK	AT89S52-24JC	PLCC-44	8-bit MCU, 8kB flash, 33MHz, 32 I/O, I-temp	\$3.99	1.85 1.49
662637CK	AT89S52-24PC	DIP-40	8-bit MCU, 8kB programmable flash	1.79	1.35
323117CK	AT89S53-24AI	TOFP-44	8-bit MCU, 12kB flash, 24MHz, 32 I/O, I-temp	4.69	3.86
168946CK	AT89C55WD-24PC	DIP-40	8-bit MCU, 20kB flash, 24MHz, 32 I/O	6.59	5.75
323125CK	AT89S8252-24JC	PLCC-44	8-bit MCU, 8kB flash, 24MHz, 32 I/O, I-temp	4.85	3.63
204097CK	AT89S8252-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	5.05	3.95
204100CK	AT90S1200-12PC	DIP-20	8-bit MCU, 1kB flash, 12MHz, 15 I/O	2.15	1.61
248250CK	AT90S2313-10PC	DIP-20	8-bit MCU, 2kB flash, 10MHz, 15 I/O	3.55	2.95
248268CK	AT90S2313-10SI	SOIC-20	8-bit MCU, 2kB flash, 10MHz, 15 I/O, I-temp	2.65	2.39
204118CK	AT90S2323-10PC	DIP-8	8-bit MCU, 2kB flash, 10MHz, 3 I/O	2.95	2.20
248276CK	AT90S2323-10SI	SOIC-8	8-bit MCU, 2kB flash, 10MHz, 4 I/O	3.25	2.87
248284CK	AT90S2343-10PC	DIP-8	8-bit MCU, 2kB flash, 10MHz, 5 I/O	2.99	2.63
248292CK	AT90S2343-10SI	SOIC-8	8-bit MCU, 2kB flash, 10MHz, 5 I/O, I-temp	3.15	2.87

Blue P/N = Limited Quantity Available

Serial Communications

Serial Communications PIC Applications

Square 1 Electronics Topics such as asynchronous serial communications, RS242 standard, ASCII character code, bit-bang asynchronous communications and synchronous serial communications to name a few are covered in this book as well as tool box modules and applications. (566 pages, 2002)

• Size: 8.6" x 11.0" • Weight: 3.5 lbs.

Part No.	Description	Price
210497CK	Serial Communications	\$49.95

Microcontrol'n Apps

PIC Microcontroller Applications (Version 2)

Square 1 Electronics This book is a revision of and the successor to PIC'n Up The Pace. Materials covered in the book include talking to a PIC microcontroller with a PC running a terminal, simple data logger and digital volt-meter experiment, PIC16F87x and 10-bit A/D conversion. (437 pgs, 2002)

• Size: 8.5" x 11.0" • Weight: 1.7 lbs.



Part No.	Description	Price
215052CK	Microcontrol'n Apps	\$44.95

PIC Microcontroller Project Book

Comprehensive Beginner's Guide

McGraw-Hill Hands-on directions for putting Microchip's RISC-based chips with up to 8k of memory to work. Starting with simple projects and experiments, this book leads you gradually into sophisticated programming techniques. Provides you guidance on getting the equipment you need and programming your chip. (203 pages, 2000) • Size: 7.3" x 9.2" • Wt.: 1.0 lbs.

Part No.	Description	Price
174650CK	PIC Beginner's Guide	\$29.95

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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Microcontrollers

SSOP

Part No.	Product No.	Pkg.	Description	1	10	100
248663CK	MSP430F1121AIPW	SSOP-20	16-bit MCU, flash, 8MHz 4k ROM, 14 I/O	\$3.55	\$3.30	\$3.00



16-Bit Digital Signal Controllers

dsPIC

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design. All integrate Flash program memory and most have EEPROM data storage.

- Memory: flash
- Speed: 40MHz

Part No.	Product No.	Pkg.	MIPS	Program Mem. Bytes	SRAM Bytes	TQFP	
						1	25
321787CK	DSPIC30F2010-20I/SOG	SOIC-28	20	12k	512	\$8.75	\$7.90
321779CK	DSPIC30F2010-20I/SPG	DIP-28	20	12k	512	8.75	7.90
321808CK	DSPIC30F2010-30I/SOG	SOIC-28	30	12k	512	\$10.69	10.09
321795CK	DSPIC30F2010-30I/SPG	DIP-28	30	12k	512	\$10.79	10.09
321816CK	DSPIC30F6010-20I/PF	TQFP-80	20	144k	8192	26.35	23.70
321824CK	DSPIC30F6010-30I/PF	TQFP-80	30	144k	8192	28.99	26.15
321832CK	DSPIC30F6011-20I/PF	TQFP-64	20	132k	6144	22.49	19.60
321841CK	DSPIC30F6011-30I/PF	TQFP-64	30	132k	6144	25.85	21.65
321859CK	DSPIC30F6012-20I/PF	TQFP-64	20	144k	8192	\$25.79	24.15
321867CK	DSPIC30F6012-30I/PF	TQFP-64	30	144k	8192	\$29.89	27.95
323053CK	DSPIC30F6013-20I/PF	TQFP-80	20	132k	6144	\$24.75	23.49
323061CK	DSPIC30F6013-30I/PF	TQFP-80	30	132k	6144	27.45	24.00
323070CK	DSPIC30F6014-20I/PF	TQFP-80	20	144k	8192	\$27.39	25.29
323088CK	DSPIC30F6014-30I/PF	TQFP-80	30	144k	8192	\$31.35	29.29

PIC BASIC Programming and Projects

Newnes Publications The BASIC language, is introduced from square one, with simple code used to illustrate each of the most commonly used instructions. PIC BASIC is the simplest and quickest way to get up and running – designing and building circuits using a microcontroller. (210 pages, 2001)

Part No.	Description	Size	Wt. (lbs.)	1	10
200168CK	PIC BASIC Programming	6.1" x 9.2"	0.8	\$38.95	\$37.00



Zilog Flash MCUs

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
280268CK	Z8F1601PM020SC	DIP-40	16kB ROM, 2kB RAM, 31 I/O, A/D	\$9.85	\$9.75	\$9.65
280276CK	Z8F1601VN020SC	PLCC-44	16kB ROM, 2kB RAM, 31 I/O, A/D	9.95	9.80	9.65
280284CK	Z8F1602VS020SC	PLCC-68	16kB ROM, 2kB RAM, 46 I/O, A/D	9.15	8.85	8.65
280292CK	Z8F2401PM020SC	DIP-40	24kB ROM, 2kB RAM, 31 I/O, A/D	11.45	11.15	10.85
280305CK	Z8F2401VN020SC	PLCC-44	24kB ROM, 2kB RAM, 31 I/O, A/D	11.45	11.15	10.85
280313CK	Z8F2402VS020SC	PLCC-68	24kB ROM, 2kB RAM, 46 I/O, A/D	10.25	10.05	9.85
280321CK	Z8F3201PM020SC	DIP-40	32kB ROM, 2kB RAM, 31 I/O, A/D	11.35	10.55	10.05
280330CK	Z8F3201VN020SC	PLCC-44	32kB ROM, 2kB RAM, 31 I/O, A/D	11.35	10.55	10.05
280348CK	Z8F3202VS020SC	PLCC-68	32kB ROM, 2kB RAM, 46 I/O, A/D	11.65	10.95	10.45
280356CK	Z8F4801PM020SC	DIP-40	48kB ROM, 4kB RAM, 31 I/O, A/D	12.55	11.85	11.35
280364CK	Z8F4801VN020SC	PLCC-44	48kB ROM, 4kB RAM, 31 I/O, A/D	12.65	11.85	11.35
280372CK	Z8F4802VS020SC	PLCC-68	48kB ROM, 4kB RAM, 46 I/O, A/D	13.15	12.35	11.75
280381CK	Z8F6401PM020SC	DIP-40	64kB ROM, 4kB RAM, 46 I/O, A/D	14.25	13.25	12.55
280399CK	Z8F6401VN020SC	PLCC-44	64kB ROM, 4kB RAM, 46 I/O, A/D	14.25	13.25	12.55
280401CK	Z8F6402VS020SC	PLCC-68	64kB ROM, 4kB RAM, 46 I/O, A/D	14.65	13.65	12.95



Z8 OTP MCUs

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
281228CK	Z86E3016PSC	DIP-28	RAM/ROM Protect, 24 I/O lines	\$5.05	\$4.57	\$4.15
281236CK	Z86E3016VSC	PLCC-28	RAM/ROM Protect, 24 I/O lines	\$4.59	4.35	4.15
281252CK	Z86E0812SSC1866	SOIC-18	ROM protect, 14 I/O lines	2.45	2.35	2.25
281279CK	Z86E0812PSC1866	DIP-18	ROM protect, 14 I/O lines	2.75	2.48	2.25
281287CK	Z86E0812PEC	DIP-18	ROM protect, 14 I/O lines	2.95	2.60	2.45
281295CK	Z86E0208SSC1925	SOIC-18	ROM protect, 14 I/O lines, 1 cnt/timer	1.75	1.59	1.45



Zilog Z80 MPUs

DIP

PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
35561CK	Z80A	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.39	\$1.19	\$1.09
35596CK	Z80A	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609CK	Z80A-CTC	DIP-28	4MHz counter timer circuit (MK3882-4)	1.99	1.79	1.59
35625CK	Z80A-DART	DIP-40	4MHz dual asynchronous receiver/trans.	3.49	3.19	2.89
35641CK	Z80A-PIO	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668CK	Z80A-SIO/O	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705CK	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280410CK	Z8018006PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280428CK	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280436CK	Z8018008PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280444CK	Z8018008VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	7.55	6.87	6.25
280452CK	Z8018010PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	8.75	7.98	7.25
280461CK	Z8018010VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.89	8.08	7.35
280479CK	Z8018020PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	12.99	11.82	10.75
280487CK	Z8018020VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	9.75	8.85	8.05
280495CK	Z8018033VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.79	7.90	6.90
35781CK	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.15	3.49	2.55
280508CK	Z84C0006VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.09	2.77	2.02
280516CK	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.07
280524CK	Z84C0008VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.08
280532CK	Z84C0010PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.07
280541CK	Z84C0010VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.79	3.46	3.15
280559CK	Z84C0020VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	12.35	11.22	10.20
280567CK	Z84C4008PEC	DIP-40	Dual data ch. communication interface	6.59	6.07	5.20
280575CK	Z84C9010VSC	PLCC-84	Serial/parallel I/O counter/timer	15.29	13.92	12.65
35799CK	Z8530	DIP-40	2MHz serial communications controller	2.49	2.12	1.59
281308CK	Z85C3016PSC	DIP-40	Serial communications controller	10.15	9.20	8.37
61786CK	Z85C3008PSC	DIP-40	Serial communications controller	4.99	4.57	3.92
281316CK	Z85C3008VSC	PLCC-44	Serial communications controller	7.65	5.67	5.25
281324CK	Z8523016VSC	PLCC-44	Enhanced serial comm. controller	15.75	14.45	13.96

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87C/89C MCU Series

DIP

PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10
345341CK	DS87C530-QNL	PLCC-52	EPROM/ROM MCU w/ real-time clock	\$49.09	\$37.59
345359CK	DS87C520-WCL	DIP-40	EPROM/ROM MCU, high-speed	60.95	49.95
345367CK	DS87C520-MCL	DIP-44	EPROM/ROM MCU, high-speed	27.99	26.55

6500 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191CK	6502	DIP-40	MPU with internal clock 1MHz	\$7.95	\$6.75	\$5.90
43166CK	65C02	DIP-40	MPU with internal clock CMOS	\$6.95	5.95	4.45
43254CK	6522	DIP-40	VIA (versatile interface adapter) 1MHz	4.05	3.25	2.95
43297CK	6532	DIP-40	128 x 8 RAM, I/O timer array	7.95	6.99	6.49
43318CK	6551	DIP-28	ACIA (asynch. comm. interface adapter)	3.95	3.36	2.52

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6800/68000 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481CK	6800	DIP-40	8-bit MCU	\$6.95	\$5.25	\$3.65
43502CK	6802	DIP-40	8-bit MPU with clock and RAM (1MHz)	8.49	7.65	6.89
43529CK	6803	DIP-40	8-bit MCU with 128k RAM	7.79	6.99	6.29
43537CK	MC6808	DIP-40	8-bit MPU with clock and 128k RAM	8.95	8.06	7.25
43545CK	6809	DIP-40	MPU with external clock (1MHz)	3.95	3.59	3.25
320590CK	68B09E	DIP-40	MPU with external clock (2MHz)	3.95	3.59	3.25
43561CK	6810	DIP-24	128x8 static RAM (1MHz)	1.95	1.69	1.49
43596CK	6821	DIP-40	Peripheral interface adapter (1MHz)	3.95	3.59	3.25
43414CK	68B21	DIP-40	Peripheral interface adapter (2MHz)	4.95	4.49	4.05
43617CK	6840	DIP-28	Programmable timer (1MHz)	2.49	2.25	1.99
43633CK	6850	DIP-24	Asynch. comm. int. adapter (ACIA)	2.39	2.09	1.89
25304CK	MC68000L8	DIP-64	MPU 16-bit (8MHz)	8.95	7.95	7.25
25291CK	MC68000L10	DIP-64	MPU 16-bit (10MHz)	13.45	11.49	8.59

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6800/68000 Series

DIP  PLCC  SOIC  TSSOP 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
25355CK	MC68701	DIP-40	8-bit EPROM MPU w/ 128B RAM & I/O	\$15.95	\$13.95	\$12.55
25363CK	MC68705P3S	DIP-28	8-bit EPROM MPU w/ 112B RAM & I/O	24.95	22.95	20.65
25371CK	MC68705U3S	DIP-40	8-bit EPROM MPU w/ 112B RAM & I/O	26.95	22.94	20.65
248591CK	MC68HC11E0CFN2	PLCC-52	MCU w/ 512 EPROM & 38 I/O, A/D	9.55	8.60	7.20
248604CK	MC68HC11E1CFN3	PLCC-52	MCU w/ 512 EPROM & 38 I/O, A/D	8.85	7.25	6.55
191863CK	MC68HC11E1CP2	DIP-48	MCU w/ A/D converter (512B RAM)	15.95	14.35	12.69
248583CK	MC68HC11F1CFN3	PLCC-68	MCU w/ 512 EPROM & 30 I/O, A/D	9.49	7.20	6.75
248647CK	MC68HC705C8AFN	PLCC-44	MCU, OTP 8k ROM, 31 I/O	7.19	5.30	5.00
108919CK	MC68HC705C8P	DIP-40	MCU, OTP 8k ROM, 24 I/O lines	7.29	6.29	5.92
132484CK	MC68HC705CS	DIP-40	MCU, 8k bytes, EPROM	38.95	34.95	31.55
248639CK	MC68HC705J1ACDW	SOIC-20	MCU, OTP 1.2k ROM, 14 I/O	1.95	1.85	1.68
132530CK	MC68HC705J1ACP	DIP-20	MCU, OTP 1.0k ROM, 14 I/O	2.09	1.89	1.79
108927CK	MC68HC705K1P	DIP-16	MCU, OTP 504B ROM, 10 I/O timer	5.49	4.94	4.44
248612CK	MC68HC705P6ACP	DIP-28	MCU, OTP 4.5k ROM, 21 I/O A/D	3.45	2.55	2.39
248621CK	MC68HC705P6ADW	SOIC-28	MCU, OTP 4.5k ROM, 21 I/O A/D	3.45	2.95	2.25
248655CK	MC68HC705C8AFN	PLCC-44	MCU, OTP 16k ROM, 31 I/O	10.25	9.95	9.50
248567CK	MC68HC711D3CFN2	PLCC-44	MCU, OTP 4k ROM, 26 I/O	9.45	9.15	8.70
285675CK	MC68HC705BDT	DIP-40	MCU, OTP 11k ROM, 26 I/O A/D	4.99	4.49	3.99
248575CK	MC68HC711E9CFN2	PLCC-52	MCU, OTP 12k ROM, 38 I/O A/D	13.45	10.50	9.87
248356CK	MC68HC908G932CP	DIP-48	MCU, flash 32k ROM, 33 I/O	9.99	9.65	9.25
323213CK	MC68HC908GR8CP	DIP-28	MCU, flash 8-bit, 8k ROM, 21 I/O A/D	6.25	5.28	5.01
248410CK	MC68HC908JB8ADW	SOIC-28	MCU, flash 8k ROM, 21 I/O USB	5.15	4.70	4.50
248401CK	MC68HC908JB8JP	DIP-20	MCU, flash 8k ROM, 37 I/O USB	4.95	4.55	4.35
323205CK	MC68HC908JK1CDW	SOIC-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.35	2.01	1.91
323192CK	MC68HC908JK1CP	DIP-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.79	2.01	1.91
248372CK	MC68HC908JK3CDW	SOIC-20	MCU, flash 4k ROM, 15 I/O	3.35	3.15	3.09
248364CK	MC68HC908JK3CP	DIP-20	MCU, flash 4k ROM, 15 I/O	3.35	3.15	3.09
248399CK	MC68HC908JL3CDW	SOIC-28	MCU, flash 4k ROM, 23 I/O, A/D	4.95	4.15	3.60
248381CK	MC68HC908JL3CP	DIP-28	MCU, flash 4k ROM, 23 I/O, A/D	4.35	4.15	3.95
248436CK	MC68HC908KX8CDW	SOIC-16	MCU, flash 8k ROM, 13 I/O, A/D	5.95	5.40	5.15
248428CK	MC68HC908KX8CP	DIP-16	MCU, flash 8k ROM, 13 I/O, A/D	5.35	4.85	4.65
248495CK	MC68HC908QT1CDW	SOIC-8	MCU, flash 1.5k ROM, 6 I/O	1.49	1.40	1.30
248487CK	MC68HC908QT1CP	DIP-8	MCU, flash 1.5k ROM, 6 I/O	1.39	1.31	1.28
248479CK	MC68HC908QT2CDW	SOIC-8	MCU, flash 1.5k ROM, 6 I/O, A/D	2.05	1.85	1.68
248461CK	MC68HC908QT2CP	DIP-8	MCU, flash 1.5k ROM, 6 I/O, A/D	1.85	1.70	1.55
248452CK	MC68HC908QT4CDW	SOIC-8	MCU, flash 4k ROM, 6 I/O, A/D	2.15	1.95	1.85
248444CK	MC68HC908QT4CP	DIP-8	MCU, flash 4k ROM, 6 I/O, A/D	1.85	1.70	1.65
248559CK	MC68HC908QY1CDT	TSSOP-16	MCU, flash 1.5k ROM, 14 I/O	2.05	1.80	1.65
248532CK	MC68HC908QY2CDT	TSSOP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	2.15	1.95	1.64
248524CK	MC68HC908QY2CP	DIP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	2.15	1.95	1.75
248516CK	MC68HC908QY4CDW	TSSOP-16	MCU, flash 4k ROM, 13 I/O A/D	2.65	2.49	2.44
248508CK	MC68HC908QY4CP	DIP-16	MCU, flash 4k ROM, 13 I/O A/D	2.35	2.15	2.05
323221CK	MC68HC912B32CFUB	QFP-80	MCU, flash 16-bit 1.5k ROM 15 I/O A/D	20.55	19.50	18.52

✦ Refurbished = Backed by Jameco ✦ Blue Part No. = Limited Quantity Available

8000 Series

DIP 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844CK	8031	DIP-40	CPU with 128 x 8 RAM and I/O	\$3.45	\$3.15	\$2.80
51676CK	80C31	DIP-40	CPU with 128 x 8 RAM and I/O CMOS	2.99	2.42	1.45
102197CK	8032	DIP-40	8-bit MCU 256 x 8 RAM	3.95	3.59	3.25
108804CK	80C32-1	DIP-40	8-bit MCU 256 x 8 RAM CMOS	4.49	3.85	2.89
51861CK	8035	DIP-40	MPU 8-bit	3.95	3.59	3.25
51959CK	8039	DIP-40	CPU single chip 8-bit (128 bytes RAM)	4.49	3.82	2.86
51692CK	80C39	DIP-40	CPU single chip 8-bit (128 bytes RAM) CMOS	3.59	3.23	2.91
51983CK	8049	DIP-40	CPU single chip 8-bit (can be used as 8039*)	1.95	1.75	1.59
51991CK	8051AP	DIP-40	MCU w/128x8 RAM	5.49	4.99	4.49
52203CK	8052AH	DIP-40	CPU 8-bit 256 bytes RAM, tmr/countr & I/O	7.99	7.19	6.49

✦ Pull = Extra Savings

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM

8000 Series (Continued)

DIP  PLCC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
125647CK	80C52BASIC	DIP-40	CPU 8-bit CMOS w/ basic interpreter	\$32.75	\$29.47	\$26.51
52046CK	8080A	DIP-40	CPU 8-bit N-channel (1MHz)	4.65	4.05	3.75
52062CK	8085AH	DIP-40	CPU 8-bit HMOS (3MHz)	4.99	4.49	3.99
52071CK	8085AH-2	DIP-40	CPU 8-bit HMOS (5MHz)	5.49	4.99	4.49
51705CK	80C85A-2	DIP-40	CPU 8-bit CMOS (5MHz)	7.25	6.55	5.85
52100CK	8086-2	DIP-40	CPU 16-bit (8MHz)	1.95	1.75	1.59
52142CK	8088	DIP-40	CPU 16-bit (8-bit data bus) 5MHz	2.49	2.25	1.99
52169CK	8088-2	DIP-40	CPU 16-bit (8-bit data bus) 8MHz	5.95	5.39	4.85
34358CK	UPD70108-8	DIP-40	V20 chip (replaces the 8088-2) 8MHz	10.99	9.34	7.01
52290CK	8155	DIP-40	HMOS RAM I/O port/timer (3MHz)	4.49	3.82	2.86
52302CK	8155-2	DIP-40	HMOS RAM I/O port/timer (5MHz)	5.95	5.39	4.85
52193CK	81C55	DIP-40	256x8 RAM I/O port/tmr CMOS 3MHz	4.49	3.59	3.19
52468CK	8212	DIP-24	8-bit input/output (74S412)	6.49	5.99	5.49
52484CK	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.36	2.52
52492CK	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513CK	8228	DIP-28	System contr./bus driver (74S428)	3.69	3.19	2.36
52581CK	8243	DIP-24	I/O expander for 48 series	5.49	4.94	3.71
52610CK	8250A	DIP-40	Asynchronous comm. element	4.25	3.60	2.70
52644CK	8251	DIP-28	Prog. comm. I/O (USART)	2.99	2.69	2.39
52652CK	8251A	DIP-28	Prog. comm. interface (USART)	3.99	3.69	3.39
52370CK	82C51A	DIP-28	Prog. comm. interface (USART) CMOS	3.85	3.40	2.95
52679CK	8253	DIP-24	Prog. interval timer	3.19	2.89	2.59
52687CK	8253-5	DIP-24	Prog. interval timer (2MHz)	4.99	4.49	3.99
52388CK	82C53-5	DIP-24	Prog. interval timer CMOS 2MHz	4.25	3.60	2.75
52708CK	8254	DIP-24	Prog. interval timer (UPD71054)	4.49	3.99	3.59
52716CK	8254-2	DIP-24	Prog. interval timer (10MHz)	7.35	6.25	4.69
52396CK	82C54	DIP-24	Prog. interval timer CMOS	3.95	3.55	3.19
52409CK	82C54-2	DIP-24	Prog. interval timer CMOS 10MHz	4.49	4.05	3.59
52724CK	8255	DIP-40	Prog. periph. I/O (PPI) 71055 (2MHz)	4.49	3.99	3.49
52732CK	8255A-5	DIP-40	Prog. peripheral I/O (PPI) 5MHz	4.89	4.39	3.05
291805CK	8255AC-5	DIP-40	MPU peripheral I/O (PPI)	4.89	4.39	2.89
52417CK	82C55A	DIP-40	Prog. peripheral I/O (PPI) CMOS	4.49	4.49	3.99
52425CK	82C55A-5	DIP-40	Prog. periph. I/O (PPI) CMOS (5MHz)	4.99	3.99	3.49
52759CK	8256	DIP-40	Multif. universal asynch. rec./trans.	19.99	17.99	16.19
52775CK	8259	DIP-28	Prog. interrupt controller (UPD71059)	1.75	1.55	1.45
52783CK	8259-5	DIP-28	Prog. interrupt controller (8259A-2)	2.49	2.19	1.99
52821CK	8275	DIP-40	Prog. CRT controller	9.95	9.49	8.25
52839CK	8279	DIP-40	Prog. keyboard/display interface	12.99	11.99	10.99
52847CK	8279-5	DIP-40	Prog. keyboard/display interface (5MHz)	12.95	11.69	10.49
52855CK	8282	DIP-20	Octal latch (UPD71082)	5.35	4.40	3.10
52871CK	8284A	DIP-18	Clock gen. and driver (UPD71084)	4.69	4.19	3.77
52898CK	8286	DIP-20	Octal bus transceiver (UPD71086)	9.95	9.35	8.25
52901CK	8287	DIP-20	Octal bus transceiver (inverted)	9.89	8.99	8.09
52919CK	8288	DIP-20	Bus controller (UPD71088) 82C88-2	1.65	1.40	1.25
53006CK	8741	DIP-40	8-bit univ. periph. interface (EPROM)	7.99	7.19	6.49
53014CK	8742	DIP-40	8-bit univ. peripheral interface	8.45	7.20	6.35
53022CK	8748	DIP-40	CPU 8-bit, EPROM, RAM & I/O (21V)	13.95	12.56	11.11
53031CK	8748H	DIP-40	CPU 8-bit, EPROM, RAM & I/O HMOS (21V)	16.25	14.78	13.25
53057CK	8749H	DIP-40	MPU 8-bit (EPROM version 8049)	23.45	19.88	16.27
53073CK	8751	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-8MHz)	19.99	16.99	15.29
53081CK	8751H	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (1.2-12MHz)	24.95	20.25	18.23
52978CK	87C51	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz)	21.99	19.79	17.49
196120CK	P87C51	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz) OTP	5.09	4.62	4.20
53090CK	8755	DIP-40	16k EPROM with I/O	8.95	8.09	7.29
248701CK	T89C51RB2	PLCC-44	MCU, flash 16k ROM, 32 I/O	6.59	6.11	5.81
248719CK	T89C51RC2	PLCC-44	MCU, flash 32k ROM, 32 I/O	8.45	7.25	6.55
248727CK	T89C51RD2	PLCC-44	MCU, flash 64k ROM, 32 I/O	9.39	7.95	6.63

✦ Pull = Extra Savings ✦ Refurbished = Backed by Jameco

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PARALLAX BASIC Stamps

BASIC Stamps are small computers using a variation of BASIC called PBASIC. They are ideal for controller apps including robotics, radio-controlled interfaces of a digital camera, industrial pallet stackers, health monitoring systems, and much more. The BS1-IC has 8 I/O lines, while the BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices. Both allow you to store data in the EEPROM before downloading a BASIC program.

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Specifications:	127693CK	130892CK
EEPROM	256 bytes	2048 bytes
RAM	16 bytes	32 bytes
Cur. Draw @ 5V	2mA run/20µA	8mA run/100µA
Microcontroller	PIC16C56	PIC16C57
Program speed	2000/sec.	4000/sec.
# of I/O Pins	8	16 + 2 serial
Package	14-pin SIP	24-pin DIP
Volts Required	5-15VDC	5-15VDC
Size	1.4"L x 0.4"W	1.2"L x 0.6"W

Part No.	Parallax No.	1	10
127693CK	BS1-IC	\$25.95	\$23.99
130892CK	BS2-IC	48.95	43.95

PARALLAX BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 10) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Voltage requirements: 5-12VDC
- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Scratch pad RAM: 128 bytes
- EEPROM program size: 2k x 8, 4,000 instructions
- Current draw @ 5V: 40mA run; 400µA sleep

184911CK: Number of I/O pins: 16 + 2 serial

184920CK: Number of I/O pins: 32 + 2 serial

Part No.	Parallax No.	1	10
184911CK	BS2P24-IC 24-pin	\$78.95	\$70.95
184920CK	BS2P40-IC 40-pin	87.95	79.95

PARALLAX 50MHz BASIC Stamp 2SX Module

High-speed version of BS2-IC.

- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC
- Number of I/O pins: 16 + 2 serial
- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep

Part No.	Parallax No.	1	10
159775CK	BS2SX-IC 24-pin	\$58.95	\$52.95

For detailed specs, visit www.Jameco.com/Rabbit

PARALLAX BS2E-IC Basic Stamp Module

The BS2E-IC runs at the same speed as BASIC Stamp 2, but has the RAM and EEPROM size benefits of the BS2-SX, with much lower speed and power consumption. Ideal for those who use the BS2 and would like more variable or program space. Programmed in Windows®.

- EEPROM (program) size: 2k x 8, ~ 4,000 instructions
- RAM: 32 bytes (6 I/O, 26 variable)
- Current draw @ 5V: 20mA run/100µA sleep
- Microcontroller: Scenix SX28AC
- Program speed: 4,000 instructions / sec
- Number of I/O pins: 16 + 2 dedicated serial
- Voltage requirement: 5-12VDC • Package: DIP-24

Part No.	Parallax No.	1	10
283047CK	BS2E-IC	\$53.95	\$51.90

PARALLAX BASIC Stamp 2 OEM Kit

A through-hole version of the popular BASIC Stamp modules.

- 20-pin SIP, standard 0.1" spacing
- PBASIC interpreter and EEPROM are socketed to allow for replacement
- PC board includes labeled component locations with visible traces between parts
- Programmed using PBASIC DOS or Windows®

Includes: PBASIC interpreter, EEPROM, resonator, DB-9, resistors and transistors

Part No.	Parallax No.	1	10
183071CK	27291	\$44.79	\$42.55
		\$40.50	

RABBIT Wi-Fi Application Kit

Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system.

Wireless connectivity eliminates ethernet cables allowing greater flexibility and mobility of wireless embedded networks.

Includes a Linksys Wi-Fi card, RCM3100 microprocessor core module, prototyping board, Dynamic C® development system and complete documentation on CD-ROM, serial cable for programming and debugging, 10-pin DB15 Conversion Cable, manuals and AC adapter (U.S./Canada only).

Applications

- Wireless automation and control
- Convenient data and event logging
- Instrumentation monitoring

Part No.	Description	Weight	Price
321681CK	Wi-Fi Application Kit	2.0 lbs.	\$568.95

RABBIT Secure Embedded Web Application Kit

This kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore, the Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers.

Software bundles (RabbitWeb, FAT File System and Secure Socket Layer) included enable rapid development of secure web browser interfaces for embedded system control.

Part No.	Description	Weight	Price
321470CK	Secure Embedded Web Application Kit	2.0 lbs.	\$663.95

RABBIT Multi-Port Serial to Ethernet Kit

The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. This kit allows you to simultaneously connect several serial devices to a network.

This kit also includes a prototyping board, Dynamic C® development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demo-board, required cables, and assorted accessories.

Features

- Serial to ethernet applications for: digital voltmeter and temperature sensor reader and binary and hexadecimal ASCII
- Royalty-free TCP/IP stack with source code
- Configuration menu system

Design Advantages

- Minimal ethernet experience required
- 3 step setup
- Software compatible with other Rabbit-based products

Part No.	Description	Weight	Price
321656CK	Multi-Port serial to ethernet app. kit	2.0 lbs.	\$375.25

RABBIT GSM/GPRS and M2M Application Kits

This kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore Module (RCM) that can interpret messages as commands and in turn execute control functions.

Part No.	Description	Weight	Price
321584CK	GSM/GPRS app. kit w/ Enfora modem	2.0 lbs.	\$616.55
321197CK	Machine to Machine (M2M) kit w/ Wavecom modem	2.0 lbs.	663.95

The Rabbit 3000 Microprocessor

The new Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of

even the most complex applications. All development kits come complete with microprocessor core module, prototyping board, Dynamic C® development software with documentation on CD-ROM, serial cable for programming and debugging, "Getting Started" manual and AC adapter.

For detailed specifications, visit www.Jameco.com/Rabbit


RCM3000 & 3100 General Purpose Development Kits

The RCM3000 & RCM3100 are ideal options for designers who want to rapidly develop and implement embedded systems with or without integrated Ethernet connectivity.

Part No.	Description	Price
320733CK	RCM3000 ethernet enabled kit 	\$294.99
320741CK	RCM3100 general purpose kit 	\$226.95

RCM3400 Development Kit

The RCM3400 is based on the low-EMI Rabbit 3000 CPU running at 29.4MHz, with 512kB Flash and 512kB SRAM on board. The development board features a 10/100Base-T Ethernet connection and can be used as a reference design in conjunction with Dynamic C®'s royalty-free TCP/IP software libraries included in the development kit. Additional features include 5 serial ports and 8 analog inputs with programmable gain— all in an extremely small footprint!

Part No.	Description	Price
321031CK	RCM3400 analog dev. kit 	\$378.95

RCM3200 10/100Base-T Development Kit

The RCM3200 RabbitCore™ microprocessor core module is a great choice for designers who want to rapidly implement embedded systems that require a fully integrated 10/100Base-T Ethernet connection. Additional features include a battery-backed real-time clock, glueless I/O interfacing, slave port and an alternate I/O bus.

Part No.	Description	Price
320979CK	RCM3200 ethernet enabled kit 	\$331.55

RCM3300 & 3360 Flash Development Kits




The RCM3300 RabbitCore™ microprocessor core module is ideal for designers who want to rapidly develop serial Flash into their embedded application. The RCM3300 offers 8MB of serial flash for data logging and file storage purposes.










The RCM3360 RabbitCore™ microprocessor core module presents a new form of embedded flexibility: removable xD-Picture Cards. Supports 16MB of on-board NAND Flash as well as memory cards of up to 128MB.



Part No.	Description	Price
321082CK	RCM3300 serial flash kit 	\$283.95
321613CK	RCM3360 NAND flash kit 	\$378.95

RCM3600, 3700 & 3720 Combo Flash/10Base-T Kits

The RCM3600 and RCM3700/3720 RabbitCore™ development kits are the lowest priced Rabbit 3000 microprocessor based core modules designed for a wide variety of applications. Each is equipped with +5VDC tolerant I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities.

Part No.	Description	Price
321058CK	RCM3600 above w/o ethernet 	\$226.95
321074CK	RCM3700 10Base-T, 512kB SRAM kit 	\$283.95
321630CK	RCM3720 10Base-T, 256kB SRAM kit 	\$188.95

Model No.	RCM3000	RCM3100	RCM3200	RCM3300	RCM3360	RCM3400	RCM3600	RCM3700	RCM3720
Jameco Part No.	320733CK	320741CK	320979CK	321082CK	321613CK	321031CK	321058CK	321074CK	321630CK
CPU Speed	29.4MHz	29.4MHz	44.2MHz	44.2MHz	44.2MHz	29.4MHz	22.1MHz	22.1MHz	22.1MHz
Ethernet	10Base-T, RJ-45, 2 LEDs	None	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, MAC ID installed	None	10Base-T, RJ-45, 2 LEDs	10Base-T, RJ-45, 2 LEDs
Flash Memory	512k (2 x 256kB)	512k (2 x 256kB)	512kB	512kB	512kB	512kB	512kB	512kB	512kB
SRAM	512kB	512kB	512kB program + 256kB data	512kB program + 512kB data	512kB program + 512kB data	512kB	512kB	512kB	256kB
Extended Memory	None	None	None	8MB Serial Flash	16MB NAND Flash Chip, xD Removable Flash Memory	None	None	1MB Serial Flash	1MB Serial Flash
General Purpose I/O	49 digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	54 digital: 46 configurable, 4 fixed inputs, 4 fixed outputs	52 digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	49 parallel digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	52 parallel digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	47 digital: 41 configurable, 3 fixed inputs, 3 fixed outputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs
Analog Inputs	None	None	None	None	None	8-ch single-ended (11-bit) or 4-ch differential	None	None	None
Additional Inputs	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset In, CONVERT	Reset	Reset	None
Additional Outputs	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset, BREF	None	None	None
External I/O	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr
Serial Ports	Six 3.3V CMOS-compatible: configurable as asynchronous (with IrDA), 4 configurable as clocked (SPI), 2 configurable as SDLC/HDLC			Five 3.3V CMOS-compat. config. as asynch. (w/IrDA), 3 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. (prog.)	Six 3.3V CMOS-compat. config. as asynch. (w/IrDA), 4 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. dedicated. (prog.)	5 CMOS-compatible: 4 configurable as asynch. (w/IrDA), 3 as clocked serial (SPI), 2 as SDLC/HDLC w/ IrDA, 1 asynch. serial port support for MIR/SIR IrDA transceiver		Four 3.3V CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI) and 1 as SDLC/HDLC (with IrDA) or 1 SPI and 2SDLC/HDLC, 1 asynchronous serial port (programming)	
Power	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 75mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.0-3.45VDC @ 97mA	4.75-12.6VDC @ 60mA	4.75-5.25VDC @ 100mA	4.75-5.25VDC @ 100mA
Board Size	2.73" x 1.85" x 0.86"	1.85" x 1.65" x 0.55"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	1.37" x 1.16" x 0.31"	2.10" x 1.20" x 0.62"	2.95" x 1.20" x 0.85"	2.95" x 1.20" x 0.85"
Connectors	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17 (1.27mm)	One 2 x 20, 0.10" IDC headers	One 2 x 20, 0.10" IDC headers	One 2 x 20, 0.10" IDC headers
Included	RabbitCore™ module, development board w/ prototyping area, Dynamic C development system and documentation on CD-ROM, serial cable, "Getting Started" manual, and AC adapter								
Price	\$294.99 	\$294.99 	\$294.99 	\$294.99 	\$294.99 	\$294.99 	\$294.99 	\$294.99 	\$294.99 

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Microprocessor Starter Kit



imagine tools

This Microprocessor Starter Kit is designed to work with several different forms of applications via system control: commands and feedback, data acquisition, and custom hardware setups specific to user requirements. Whether you are an embedded systems expert, or an electronics novice, Imagine Tools offers an educational community devoted to bringing as much value to a kit purchase as possible by offering free downloadable products, application ideas, and support. The microprocessor starter kit is ideal for hobbyists, enthusiasts, and entrepreneurs seeking to create a killer product and/or application.

- 256k FLASH/128k SRAM
- Input voltage: 24-40VAC, 7-40VDC
- 33 digital I/O ports
- Current draw: 43mA typ.@12V, 16mA typ.@40V
- 4 serial ports

Kit Includes: RCM3610 module with Rabbit 300A microprocessor, starter board, software CD, hardware, and power supply.

Part No.	Description	Price
354992CK	Microprocessor starter kit	\$94.05

Ethernet Starter Kit



imagine tools

This starter kit is ideal for hobbyists, students and inventors who want to learn about C programming, TCP/IP programming and interfacing electronic devices with microprocessors. Fun and useful application projects take you step-by-step through hardware and software development. Create new applications such as a WAV file player, DC and stepper motor controller, GPS clock, and much more.

- Input voltage: 24-28VAC, 7-40VDC
- Current draw: 43mA typ.@12V, 16mA typ.@40V

Hardware Includes: RCM3700 Rabbit Microprocessor Core Module plus prototyping and breadboards (6.5" L x 2.2" W), 12VDC@1A power supply, serial cable, 2 Ethernet cables, 8Ω 400mW speaker, wiring kit, 10kΩ thermistor, 0.1μF capacitor, 10kΩ potentiometer, headers, and standoffs.

Software Includes: Dynamic C lite, libraries and samples, as well as royalty free TCP/IP protocol stack.

Part No.	Description	Price
355004CK	Ethernet starter kit	\$141.55

Stamp Microcontrollers



80C52-BASIC Microcontroller

The 80C52-BASIC chip is a custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

Hardware: • On-chip oscillator & clock circuit • Operates DC to 12MHz

Software: • Full BASIC interpreter in ROM on a single chip
• "Stand-alone" software development
• Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647CK	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$32.75	\$29.47	\$26.51



50MIPS SX Microcontroller

Part No.	Parallax No.	Description	1	10	100
162931CK	SX28AC/DP	DIP-28 50MIPS SX microcontroller	\$4.99	\$4.89	\$4.79
283063CK	SX48BD	PQFP-48 flash RAM	5.15	4.90	4.45



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Voice Chips



Single-Chip Voice Record/Playback Devices

10 to 120 Second Durations (28-pin DIP)

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Fully addressable to handle multiple messages
- On-chip automatic gain control (AGC) and clock source
- Typical 100k record cycles, 1μA standby current, and 100 year message retention
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated



107334CK

Part No.	Product No.	Description	1	10	50
141671CK	ISD1110P	Voice record/playback (10 sec.)	\$5.99	\$5.75	\$5.50
107334CK	ISD1420P	Voice record/playback (20 sec.)	6.85	5.75	4.65
120643CK	ISD2560P	Voice record/playback (60 sec.)	10.49	9.49	7.65
120660CK	ISD2590P	Voice record/playback (90 sec.)	11.75	9.99	7.49
141655CK	ISD25120P	Voice record/playback (120 sec.)	12.45	11.85	11.30

EPROM



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909CK	2708	DIP-24	1k x 8	450ns, 5V	\$4.99	\$4.29	\$3.19
33611CK	TMS2716	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002CK	2716	DIP-24	2k x 8	450ns, 5V	4.09	3.69	3.29
39706CK	27C16	DIP-24	2k x 8	450ns, 5V	6.99	5.99	4.99
308662CK	2716A-2	DIP-24	2k x 8	200ns, 5V	6.09	5.48	5.03
40011CK	2716-1	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
265931CK	27C16-200	DIP-24	2k x 8	200ns, 5V	3.99	3.59	2.99
265965CK	27C16-150	DIP-24	2k x 8	150ns, 5V	6.15	5.20	3.90
40096CK	2732	DIP-24	4k x 8	450ns, 5V	6.49	5.49	4.19
39765CK	27C32	DIP-24	4k x 8	450ns, 5V	5.49	4.19	2.89
40133CK	2732A-45	DIP-24	4k x 8	450ns, 5V	3.99	3.69	3.29
33591CK	TMS2532	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
114876CK	2732B	DIP-24	4k x 8	450ns, 5V	4.19	3.79	3.39
40125CK	2732A-25	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109CK	2732A-20	DIP-24	4k x 8	200ns, 5V	6.49	5.99	5.49
265990CK	27C32-200	DIP-24	4k x 8	200ns, 5V	5.99	4.99	3.99
266001CK	27C32-150	DIP-24	4k x 8	150ns, 5V	6.99	5.99	4.99
40205CK	2764-25	DIP-28	8k x 8	250ns, 5V	4.75	4.30	3.85
40248CK	2764A-25	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845CK	27C64-25	DIP-28	8k x 8	250ns, 5V	4.05	3.65	3.40
40192CK	2764-20	DIP-28	8k x 8	200ns, 5V	5.29	4.79	4.29
40230CK	2764A-20	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608CK	27C64-20	DIP-28	8k x 8	200ns, 5V	4.15	3.60	3.44
39829CK	27C64-15	DIP-28	8k x 8	150ns, 5V	3.95	3.63	3.10
105304CK	27C64-12	DIP-28	8k x 8	120ns, 5V	5.49	4.79	4.39
266036CK	27C64-100	DIP-28	8k x 8	100ns, 5V	4.09	3.59	2.69
266044CK	27C64-70	DIP-28	8k x 8	70ns, 5V	4.85	4.12	3.70
39933CK	27128-25	DIP-28	16k x 8	250ns, 5V	4.29	3.99	3.49
39984CK	27128A-25	DIP-28	16k x 8	250ns, 5V	4.49	4.09	3.69
39685CK	27C128-25	DIP-28	16k x 8	250ns, 5V	3.99	3.59	3.29
39968CK	27128A-20	DIP-28	16k x 8	200ns, 5V	4.25	3.75	3.40
101101CK	27C128-20	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950CK	27128A-15	DIP-28	16k x 8	150ns, 5V	4.05	3.60	3.25
39677CK	27C128-15	DIP-28	16k x 8	150ns, 5V	4.29	3.89	3.49
87935CK	27C128-12	DIP-28	16k x 8	120ns, 5V	4.45	3.78	2.84
266061CK	27C128-100	DIP-28	16k x 8	100ns, 5V	4.39	3.86	3.50
149665CK	27C128-70	DIP-28	16k x 8	70ns, 5V	4.89	4.29	3.89
40061CK	27256-25	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
39731CK	27C256-25	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
40045CK	27256-20	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722CK	27C256-20	DIP-28	32k x 8	200ns, 5V	2.59	2.49	2.19
40037CK	27256-15	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714CK	27C256-15	DIP-28	32k x 8	150ns, 5V	2.09	1.79	1.59
65904CK	27C256-12	DIP-28	32k x 8	120ns, 5V	2.09	1.99	1.79
112740CK	27C256-10	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
140476CK	27C256-70	DIP-28	32k x 8	70ns, 5V	3.39	3.19	2.99
266079CK	27C256-55	DIP-28	32k x 8	55ns, 5V	4.99	4.79	4.29

✦ Refurbished = Backed by Jameco

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

EPROM (Continued)

Part No.	Cross Ref.	Pkg.	Config.	Description	DIP 		
					1	10	100
40168CK	27512-25+	DIP-28	64k x 8	250ns, 5V	\$3.69	\$3.39	\$3.09
39802CK	27C512-25+	DIP-28	64k x 8	250ns, 5V	4.75	4.39	3.95
40150CK	27512-20+	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790CK	27C512-20+	DIP-28	64k x 8	200ns, 5V	3.09	2.89	2.59
39781CK	27C512-15+	DIP-28	64k x 8	150ns, 5V	2.09	1.99	1.79
39773CK	27C512-12+	DIP-28	64k x 8	120ns, 5V	1.59	1.40	1.35
131959CK	27C512-10+	DIP-28	64k x 8	100ns, 5V	3.05	2.89	2.49
175206CK	27C512-90+	DIP-28	64k x 8	90ns, 5V	1.75	1.68	1.60
203625CK	27C512-70	DIP-28	64k x 8	70ns, 5V	2.69	2.37	1.79
266087CK	27C512-55	DIP-28	64k x 8	55ns, 5V	2.69	2.24	1.79
203617CK	27C512-45	DIP-28	64k x 8	45ns, 5V	2.69	2.25	1.79
118148CK	27C1024-15	DIP-40	64k x 16	150ns, 5V	5.25	4.83	3.55
203641CK	27C1024-12	DIP-40	64k x 16	120ns, 5V	5.29	4.79	4.39
203633CK	27C1024-80	DIP-40	64k x 16	80ns, 5V	2.79	2.64	2.58
39669CK	27C010-20+	DIP-32	128k x 8	200ns, 5V	2.09	1.85	1.52
39651CK	27C010-15+	DIP-32	128k x 8	150ns, 5V	2.09	1.90	1.75
74624CK	27C010-12+	DIP-32	128k x 8	120ns, 5V	1.99	1.90	1.70
79231CK	27C010-10+	DIP-32	128k x 8	100ns, 5V	2.09	1.75	1.60
137699CK	27C010-80+	DIP-32	128k x 8	80ns, 5V	5.15	4.61	4.09
146149CK	27C010-70+	DIP-32	128k x 8	70ns, 5V	2.49	2.29	2.09
266095CK	27C010-55	DIP-32	128k x 8	55ns, 5V	3.19	2.65	2.12
137701CK	27C010-45+	DIP-32	128k x 8	45ns, 5V	3.19	3.03	2.89
65681CK	27C020-20+	DIP-32	256k x 8	200ns, 5V	3.49	3.07	2.82
65699CK	27C020-15+	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852CK	27C020-12+	DIP-32	256k x 8	120ns, 5V	4.35	4.15	3.95
156267CK	27C020-10	DIP-32	256k x 8	100ns, 5V	2.85	2.65	2.18
203650CK	27C020-80	DIP-32	256k x 8	80ns, 5V	4.25	3.61	2.71
266108CK	27C020-70	DIP-32	256k x 8	70ns, 5V	4.35	3.85	2.90
266116CK	27C020-55	DIP-32	256k x 8	55ns, 5V	3.49	3.19	2.90
127933CK	27C040-12	DIP-40	256k x 16	120ns, 5V	6.95	5.91	4.43
85462CK	27C040-15+	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293CK	27C040-12+	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
111780CK	27C040-10+	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.75
203676CK	27C040-80+	DIP-32	512k x 8	80ns, 5V	5.05	4.99	4.95
266124CK	27C040-70+	DIP-32	512k x 8	70ns, 5V	5.05	4.35	3.75
266132CK	27C040-55+	DIP-32	512k x 8	55ns, 5V	5.05	4.75	3.56
203668CK	27C040-45+	DIP-32	512k x 8	45ns, 5V	6.15	5.85	5.58
140003CK	27C080-12+	DIP-32	1M x 8	120ns, 5V	\$12.59	10.05	9.50 8.50
265842CK	27C800-12+	DIP-42	1M x 8	120ns, 5V	12.59	11.59	10.59
156275CK	27C080-10+	DIP-32	1M x 8	100ns, 5V	\$12.99	11.05	10.20 9.35
203684CK	27C080-90+	DIP-32	1M x 8	90ns, 5V	10.85	10.15	9.25
156283CK	27C160-10+	DIP-42	2M x 8	100ns, 5V	18.95	18.05	17.10


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See EPROM programmers and erasers on pages 298 & 299

EPROM Accessories

Part No.	Cross Ref.	Description	1	5
13864CK	CF2+	Conductive foam (12" x 24" x .25") hard black	\$9.29	\$8.35
15712CK	DE4+	8-chip UV-EPROM eraser, pg 298	106.85	101.49



OTP/PROM

Part No.	Cross Ref.	Pkg.	Config.	Description	DIP 		
					1	10	100
48531CK	74S188	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$4.39	\$3.95	\$3.45
48717CK	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	8.15	7.03	6.04
27844CK	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764CK	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	9.49	9.10	8.65
48696CK	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	9.85	9.03	7.80
48805CK	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.09	2.79	2.55
27772CK	N82S126+	DIP-16	256 x 4	1-kbit, 5V, 50ns, PROM	9.35	8.15	7.10
27781CK	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	9.95	9.45	8.30

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



EPROM, OTP/PROM & EEPROM

OTP/PROM (Continued)

Part No.	Cross Ref.	Pkg.	Config.	Description	DIP  PLCC 		
					1	10	100
48910CK	74S571+	DIP-16	512 x 4	2-kbit, 5V, 35ns, PROM	\$5.69	\$5.45	\$4.95
27799CK	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	7.99	6.99	5.99
48928CK	74S573+	DIP-18	1k x 4	4-kbit, 5V, 35ns, PROM	4.25	3.61	3.25
27801CK	N82S137	DIP-18	1k x 4	4-kbit, 7V, 60ns, PROM	6.95	6.25	5.65
27810CK	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	6.59	5.59	4.89
27828CK	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	3.89	3.19	3.09
27836CK	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	8.95	7.85	7.15
266212CK	27C64A-20+	PLCC-32	8k x 8	64-kbit, 5V, 200ns, OTP	\$2.19	1.95	1.85 1.55
394978CK	AT27C256R-45J	PLCC-32	32k x 8	256-kbit, 5V, 45ns, I-temp. OTP	1.09	.95	.89
394986CK	AT27C256R-45P	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp. ...	1.09	.95	.89
266327CK	27C256-55+	PLCC-32	32k x 8	256-kbit, 5V, 55ns, OTP	2.25	1.95	1.90
395014CK	AT27C256R-70J	PLCC-32	32k x 8	256-kbit, 5V, 70ns, I-temp. OTP ...	.95	.80	.76
266319CK	27C256-70+	PLCC-32	32k x 8	256-kbit, 5V, 70ns, OTP	1.25	1.10	.91
266280CK	27C256-10+	PLCC-32	32k x 8	256-kbit, 5V, 100ns, OTP	1.99	1.69	1.27
266255CK	27C256-15+	PLCC-32	32k x 8	256-kbit, 5V, 150ns, OTP	1.15	1.05	.91
266247CK	27C256-20+	PLCC-32	32k x 8	256-kbit, 5V, 200ns, OTP	1.59	1.43	1.29
395049CK	AT27C512R-45P	DIP-28	64k x 8	512-kbit, 5V, 45ns, OTP	1.09	.95	.89
266386CK	27C512-55+	PLCC-32	64k x 8	512-kbit, 5V, 55ns, OTP	2.25	2.05	1.90
395073CK	AT27C512R-70J	PLCC-32	64k x 8	512-kbit, 5V, 70ns, I-temp. OTP ..	1.09	.95	.89
395081CK	AT27C512R-70P	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp. OTP ..	1.09	.95	.89
266351CK	27C512-70+	PLCC-32	64k x 8	512-kbit, 5V, 70ns, OTP	1.45	1.35	1.15
203730CK	27C512-10+	PLCC-32	64k x 8	512-kbit, 5V, 100ns, OTP	1.99	1.89	1.73
203692CK	27C512-12 OTP	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.09	1.89	1.79
266343CK	27C512-15+	PLCC-32	64k x 8	512-kbit, 5V, 150ns, OTP .....	.95	.83	.80
266335CK	27C512-20+	PLCC-32	64k x 8	512-kbit, 5V, 200ns, OTP	1.79	1.52	1.14
394644CK	AT27BV1024-12J	PLCC-44	64k x 16	1-Mbit, 2.7V, 120ns, I-temp. OTP ..	3.99	3.91	3.87
394652CK	AT27BV1024-12M	VSOP-40	64k x 16	1-Mbit, 2.7V, 120ns, I-temp. OTP ..	5.09	4.75	4.70
266811CK	27C010-55+	PLCC-32	128k x 8	1-Mbit, 5V, 55ns OTP	2.09	1.85	1.55
394695CK	AT27C010-70J	PLCC-32	128k x 8	1-Mbit, 5V, 70ns, I-temp. OTP	2.15	1.75	1.52
394708CK	AT27C010-70P	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp. OTP	1.25	1.09	1.05
266802CK	27C010-70+	PLCC-32	128k x 8	1-Mbit, 5V, 70ns OTP	1.95	1.75	1.31
203705CK	27C010-10 OTP	DIP-32	128k x 8	1-Mbit, 5V, 100ns OTP	2.29	2.19	1.99
203748CK	27C010-10	PLCC-32	128k x 8	1-Mbit, 5V, 100ns OTP	2.09	1.85	1.52
266790CK	27C010-15+	PLCC-32	128k x 8	1-Mbit, 5V, 150ns OTP	1.55	1.33	1.00
266394CK	27C010-20+	PLCC-32	128k x 8	1-Mbit, 5V, 200ns OTP	1.35	1.20	1.09
267101CK	27C020-70+	PLCC-32	256k x 8	2-Mbit, 5V, 70ns OTP	3.65	3.31	2.48
394791CK	AT27C020-90P	DIP-32	256k x 8	2-Mbit, 5V, 90ns, I-temp. OTP ..	1.65	1.48	1.41
203713CK	27C020-10 OTP	DIP-32	256k x 8	2-Mbit, 5V, 100ns, I-temp. OTP ..	3.15	3.05	2.87
203756CK	27C020-10	PLCC-32	256k x 8	2-Mbit, 5V, 100ns, I-temp. OTP ..	3.39	3.32	2.96
266888CK	27C020-15+	PLCC-32	256k x 8	2-Mbit, 5V, 100ns, OTP	3.65	3.31	2.48
266853CK	27C020-20+	PLCC-32	256k x 8	2-Mbit, 5V, 200ns, OTP	3.29	3.14	2.87
203764CK	27C040-10+	PLCC-32	512k x 8	4-Mbit, 5V, 100ns, OTP	3.95	3.75	3.55
267160CK	27C040-15+	PLCC-32	512k x 8	4-Mbit, 5V, 150ns, OTP	3.39	2.89	2.16
267303CK	27C080-10+	PLCC-32	1M x 8	8-Mbit, 5V, 100ns, OTP	9.89	8.82	8.69
267215CK	27C080-15+	PLCC-32	1M x 8	8-Mbit, 5V, 150ns, OTP	4.29	3.90	3.55

✦ Blue P/N = Limited Quantity Available

EEPROM

Part No.	Cross Ref.	Pkg.	Config.	Description	DIP  SOIC 		
					1	10	100
276584CK	24C00+	SOIC-8	16 x 8	2-wire serial, 5V	\$0.32	\$0.27	\$0.20
276588CK	24C00+	DIP-8	16 x 8	2-wire serial, 5V .....	.26	.22	.166
200627CK	24C44+	DIP-8	16 x 16	Serial, 5V	1.99	1.69	1.26
276955CK	93C46+	SOIC-8	64 x 16	3-wire serial, 2-5V .....	.39	.32	.24
102058CK	93C46+	DIP-8	64 x 16	3-wire serial, 2-5V .....	.43	.32	.24
276592CK	24C01+	DIP-8	128 x 8	2-wire serial, 2-5V .....	.36	.30	.25
276621CK	24C01+	SOIC-8	128 x 8	2-wire serial, 2-5V .....	.29	.25	.18
368649CK	AT24C01A-10P-27	DIP-8	128 x 8	2-wire serial, 2.7V, I-temp. ....	.28	.20	.19
368711CK	AT24C01A-10S-27	SOIC-8	128 x 8	2-wire serial, 2.7V, I-temp. ....	.56	.481	.454
276971CK	93C56+	SOIC-8	128 x 16	3-wire serial, 2-5V .....	.54	.50	.41
108855CK	93C56+	DIP-8	128 x 16	3-wire serial, 2-5V .....	.48	.46	.34
276630CK	24C02+	SOIC-8	256 x 8	2-wire serial, 5V .....	.37	.31	.233
368868CK	AT24C02A-10S-27	SOIC-8	256 x 8	2-wire serial, 2.7V, I-temp. ....	.62	.59	.545

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

EEPROM (Continued)



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
368913CK	AT24020N-10SI-1.8	SOIC-8	256 x 8	2-wire serial, 1.8V, I-temp.	.58	.46	.415
108839CK	24C02P	DIP-8	256 x 8	2-wire serial, 5V	.40	.38	.30
369617CK	AT25020A-10PI-2.7	DIP-8	256 x 8	SPI serial, 2.7V, I-temp.	.56	.54	.49
276980CK	93C66	SOIC-8	256 x 16	3-wire serial, 2-5V	.37	.36	.27
200598CK	93C66	DIP-8	256 x 16	3-wire Serial, 2-5V	.51	.42	.31
276648CK	24C04	SOIC-8	512 x 8	2-wire serial, 2-5V	.34	.29	.22
368930CK	AT2404A-10PI-2.7	DIP-8	512 x 8	2-wire serial, 2.7V, I-temp.	.53	.48	.33
108847CK	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.71	.64	.48
369086CK	AT2404AN-10SI-2.7	SOIC-8	512 x 8	2-wire serial, 2.7V, I-temp.	.69	.66	.60
276664CK	24C08	SOIC-8	1k x 8	2-wire serial, 2-5V	.30	.29	.27
200547CK	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.79	.72	.65
369220CK	AT2408AN-10SI-2.7	SOIC-8	1k x 8	2-wire serial, 2.7V, I-temp.	.31	.305	.285
277018CK	93C86	SOIC-8	1k x 16	3-wire serial, 2-5V	1.07	1.04	.93
200601CK	93C86	DIP-8	1k x 16	3-wire serial, 2-5V	.72	.59	.44
276681CK	24C16	SOIC-8	2k x 8	2-wire serial, 2-5V	.45	.42	.37
200555CK	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	.89	.80	.66
369369CK	AT24C16A-10PI-2.7	DIP-8	2k x 8	2-wire serial, 2.7V, I-temp.	.43	.33	.32
368809CK	AT24C16AN-10SI-1.8	SOIC-8	2k x 8	2-wire serial, 1.8V, I-temp.	.42	.407	.378
368948CK	AT24C16AN-10SI-2.7	SOIC-8	2k x 8	2-wire serial, 2.7V, I-temp.	.37	.36	.34
369836CK	AT25160-10PI-1.8	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	1.49	1.45	1.39
369810CK	AT25160A-10PI-1.8	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	.52	.50	.453
369852CK	AT25160AN-10SI-2.7	SOIC-8	2k x 8	SPI serial, 2.7V, I-temp.	.72	.60	.53
395292CK	AT28BV16-25JC	PLCC-32	2k x 8	2.7V	3.25	3.22	3.19
276699CK	28C16	SOIC-24	2k x 8	Page Parallel, 5V	2.45	1.98	1.73
74691CK	28C16A-25	DIP-24	2k x 8	Page Parallel, 5V	3.99	3.69	3.39
276701CK	28C17	DIP-28	2k x 8	Page Parallel, 5V	2.29	2.05	1.95
40416CK	2817A-25	DIP-28	2k x 8	Page Parallel, 5V	7.15	6.45	5.85
276728CK	24C32	SOIC-8	4k x 8	2-wire serial, 5V	.42	.40	.32
200563CK	24C32-10	DIP-8	4k x 8	2-wire serial, 5V	1.08	.87	.77
369449CK	AT24C32A-10PI-2.7	DIP-8	4k x 8	2-wire serial, 2.7V, I-temp.	.76	.65	.47
369473CK	AT24C32AN-10SI-1.8	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	.47	.46	.42
369481CK	AT24C32AN-10SI-2.7	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	1.09	.86	.77
369502CK	AT24C32AN-10SI-2.7	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	2.35	1.43	1.27
369983CK	AT25020AN-10SI-2.7	SOIC-8	4k x 8	SPI serial, 2.7V, I-temp.	1.49	1.43	1.30
276744CK	24C64	SOIC-8	8k x 8	2-wire serial, 2-5V	.49	.45	.42
369570CK	AT24C64A-10PI-2.7	TSSOP-8	8k x 8	2-wire serial, 2.7V, I-temp.	4.35	3.85	3.73
369537CK	AT24C64AN-10SI-2.7	SOIC-8	8k x 8	2-wire serial, 2.7V, I-temp.	.49	.48	.46
200619CK	24C65	DIP-8	8k x 8	2-wire serial, 2-5V	2.15	2.05	1.85
368737CK	AT25640AN-10SI-1.8	SOIC-8	256 x 8	SPI serial, 1.8V, I-temp.	1.15	1.15	.90
276752CK	28C64	SOIC-28	8k x 8	Page Parallel, 5V	3.69	3.14	2.35
74827CK	28C64A-25	DIP-28	8k x 8	Page Parallel, 5V	4.45	3.80	3.65
40475CK	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
276787CK	24C128	SOIC-8	16k x 8	2-wire serial, 2-5V	1.05	.89	.67
200571CK	24C128-10	DIP-8	16k x 8	2-wire serial, 2-5V	1.65	1.35	1.20
369271CK	AT24C128-10PI-1.8	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.86	1.65
369289CK	AT24C128-10PI-2.7	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.85	1.70
369326CK	AT24C128W-10SI-2.7	SOIC-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.83	1.68
276808CK	24C256	SOIC-8	32k x 8	2-wire serial, 5V	1.45	1.23	.92
200580CK	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.35	1.90	1.70
369406CK	AT24C256W-10SI-1.8	SOIC-8	32k x 8	2-wire serial, 1.8V, I-temp.	3.15	2.54	2.25
369414CK	AT24C256W-10SI-2.7	SOIC-8	32k x 8	2-wire serial, 2.7V, I-temp.	3.45	3.10	2.80
395330CK	AT28BV256-20SC	SOIC-28	32k x 8	Page Parallel, 2.7V	11.45	11.05	10.70
276816CK	28C256	SOIC-28	32k x 8	Page Parallel, 5V	8.49	7.22	5.41
74878CK	28C256-25	DIP-28	32k x 8	Page Parallel, 5V	8.25	7.10	7.05
74843CK	28C256-15	DIP-28	32k x 8	Page Parallel, 5V	8.99	6.89	6.19
370183CK	AT28C256-15PC	DIP-28	32k x 8	Page Parallel, 5V	3.95	3.70	3.60
276875CK	24C512	SOIC-8	64k x 8	2-wire serial, 2-5V	2.15	2.07	1.98
276832CK	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.15	2.08	1.91
276921CK	24C1024	SOIC-8	128k x 8	2-wire serial, 2.7-5V	5.09	4.62	4.20
276912CK	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	6.65	5.18	4.77
276947CK	28C010	PLCC-32	128k x 8	Page Parallel, 5V	23.75	16.19	12.14
242253CK	28C010-15	DIP-32	128k x 8	Page Parallel, 5V	30.89	29.85	28.45
395372CK	AT28LV010-20TC	TSSOP-32	128k x 8	Page Parallel, 3.3V	37.29	35.99	34.69

Blue P/N = Limited Quantity Available



Flash Memory - Serial Flash



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
659913CK	M25P05-AVMN6	SOIC-8	64k x 8	3V w/ 20MHz SPI bus interf.	\$1.69	\$1.48	\$1.15
321605CK	M25P10-AVMN6	SOIC-8	128k x 8	3V w/ 40MHz SPI bus interf.	1.49	1.37	1.24
321648CK	M25P20-VMN6	SOIC-8	256k x 8	3V w/ 40MHz SPI bus interf.	1.75	1.60	1.45
321664CK	M25P40-VMN6	SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	3.05	2.88	2.74
321672CK	M25P80-VMN6	SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	3.35	2.98	2.83

Flash Memory - NOR



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
375929CK	AT29LV256-15JC	PLCC-32	32k x 8	150ns, 3V	\$4.15	\$3.95	\$3.75
376059CK	AT29C512-70JC	PLCC-32	64k x 8	70ns, 5V	1.75	1.52	1.50
242552CK	29C512-12	DIP-32	64k x 8	120ns, 5V	5.25	4.25	4.15
242561CK	29F512-90	DIP-32	64k x 8	90ns, 5V	4.69	3.89	3.59
375937CK	AT29LV512-15JC	PLCC-32	64k x 8	90ns, 3V	1.99	1.97	1.95
375785CK	AT49BV512-12JC	PLCC-32	64k x 8	120ns, 2.7V	4.25	4.10	4.05
375961CK	AT29LV1024-15JC	PLCC-44	64k x 16	150ns, 3V	2.69	2.44	2.39
74771CK	28F010-15	DIP-32	128k x 8	150ns, 5V	5.49	4.12	3.66
376075CK	AT29C010A-70JC	PLCC-32	128k x 8	70ns, 5V	2.35	2.15	2.12
242587CK	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.65	3.15
242595CK	29F010-90	DIP-32	128k x 8	90ns, 5V	5.35	4.34	3.61
242608CK	29F010-70	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.88
375953CK	AT29LV010A-15JC	PLCC-32	128k x 8	150ns, 3V	2.39	2.14	2.12
74835CK	28F020-15	DIP-32	256k x 8	150ns, 5V	7.95	7.15	6.45
376121CK	AT29C020-90JC	PLCC-32	256k x 8	90ns, 5V, I-temp.	3.39	3.10	3.05
242616CK	29F020-12	DIP-32	256k x 8	120ns, 5V	6.69	6.54	6.22
242624CK	29F020-90	DIP-32	256k x 8	90ns, 5V	3.39	3.12	2.98
375988CK	AT29LV020-20JC	PLCC-32	256k x 8	200ns, 3V	3.39	3.14	3.10
375814CK	AT49BV020A-70JC	PLCC-32	256k x 8	70ns, 2.7V, I-temp.	1.65	1.58	1.51
376366CK	AT49C020A-75JC	PLCC-32	256k x 8	55ns, 5V, I-temp.	2.05	1.85	1.78
376163CK	AT29C040A-90JC	PLCC-32	512k x 8	90ns, 5V, I-temp.	4.39	4.15	4.10
242659CK	29F040-120	DIP-32	512k x 8	120ns, 5V	8.95	8.65	8.25
242667CK	29F040-90	DIP-32	512k x 8	90ns, 5V	\$12.05 9.05	8.60	8.15
375996CK	AT29LV040A-15JC	PLCC-32	512k x 8	150ns, 3V	4.39	4.20	4.10
375911CK	AT49BV040A-70JC	PLCC-32	512k x 8	70ns, 2.7V, I-temp.	2.05	2.03	2.01
277261CK	29F800-70	TSSOP-48	1M x 8	70ns, 5V	6.95	6.59	6.29
277270CK	29F800-120	TSOP-48	1M x 8	120ns, 5V	3.45	3.14	2.85
277288CK	29F800-120	TSOP-48	1M x 8	120ns, 5V	3.25	3.12	2.95
277448CK	28F128-150	TSOP-56	16M x 8	150ns, 2.7V	21.09	19.00	17.10

Blue P/N = Limited Quantity Available

Legacy DRAM

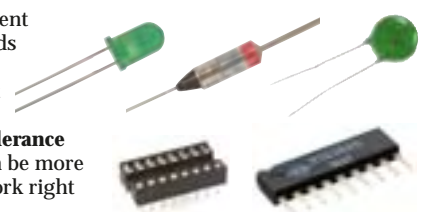


Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41339CK	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	\$.99	\$.84	\$.63
41662CK	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	.59	.53	.48
41574CK	41464-10	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398CK	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	.73	.62	.47
42315CK	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374CK	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	2.79	2.49	2.19
128688CK	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75
42219CK	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	2.59	2.33	2.10

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Static RAM

Part No.	Cross Ref.	Pkg.	TSSOP			DIP			SO/SOJ		
			Config.	Description	1	10	100		1	10	100
38931CK	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$1.69	\$1.55	\$1.35				
42198CK	5101	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19	6.49				
38957CK	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.29	1.99	1.79				
43238CK	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65	3.35				
38973CK	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.09	1.89				
38981CK	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05	1.85				
243475CK	MBM104174A-10	DIP-24	1k x 4	4-Kbit, 5V, 10ns, Asynchronous	.65	.55	.41				
392243CK	CY7C131-55JC	PLCC-52	1k x 8	8-Kbit, 5V, 55ns	5.75	4.64	3.96				
392462CK	CY7C425V-15ASC	STQFP-64	1k x 18	18-Kbit, 3.3V, 15ns Synch. FIFO	17.79	17.59	17.43				
38746CK	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.80	.73	.66				
114260CK	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV SRAM	11.95	10.95	9.85				
25911CK	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.25	6.70	6.35				
42809CK	6116P-3	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29	1.09				
42753CK	6116LP-3	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75	1.59				
38738CK	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.25	1.13	.85				
42796CK	6116P-2	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.59	1.39	1.29				
42788CK	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.69	1.49	1.39				
42737CK	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79	1.65				
242675CK	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.09	1.99	1.89				
242712CK	CY7C128A-15	DIP-24	2k x 8	16-Kbit, 5V, 15ns, Async.	4.15	3.35	2.65				
242704CK	CY7C128A-25	DIP-24	2k x 8	16-Kbit, 5V, 25ns, Async.	3.25	2.55	1.85				
242691CK	CY7C128A-35	DIP-24	2k x 8	16-Kbit, 5V, 35ns, Async.	3.65	2.95	2.30				
242683CK	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Async.	4.25	3.85	3.50				
392446CK	CY7C423V-15ASC	STQFP-64	2k x 18	36-Kbit, 3.3V, 15ns, Synch. FIFO	16.59	16.24	16.08				
242721CK	6264-55	DIP-28	8k x 8	64-Kbit, 5V, 55ns, Async.	2.65	2.25	1.68				
392294CK	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.09	2.51	2.00				
85121CK	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.39	3.05	2.75				
42884CK	6264LP-10	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.75	2.49	2.25				
42921CK	6264P-10	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.35	2.05	1.80				
42892CK	6264LP-12	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.79	2.49	2.19				
42930CK	6264P-12	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.39	2.15				
114278CK	DS1225AB-150	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV SRAM	15.99	12.65	9.89				
114307CK	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV SRAM	15.95	14.49	11.65				
242350CK	7C185-20	DIP-28	8k x 8	64-Kbit, 5V, 20ns Async.	2.89	2.29	1.79				
242341CK	CY7C185-25	DIP-28	8k x 8	64-Kbit, 5V, 25ns Async.	2.59	2.05	1.60				
242333CK	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async.	3.29	2.63	1.99				
242499CK	DS1230Y-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, NV SRAM	19.85	15.35	12.75				
177113CK	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV SRAM	15.75	14.60	11.75				
114323CK	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV SRAM	20.25	17.10	10.25				
41970CK	43256-10L	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	4.95	4.50	4.05				
41988CK	43256-12L	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49	4.09				
242376CK	MM5M5258P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Async.	1.99	1.59	1.19				
75037CK	UM612M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99	2.69				
279865CK	62256S-12	SOJ-28	32k x 8	256-Kbit, 5V, 120ns	1.49	1.21	1.05				
279857CK	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns	1.49	1.27	.99				
82472CK	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.50	4.05				
391793CK	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.85	2.30	1.80				
391814CK	CY62256L-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns	2.55	2.05	1.65				
391822CK	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80				
391890CK	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80				
392008CK	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 3.3V, 70ns, LP	2.39	1.94	1.52				
391945CK	CY62256LL-70ZC	TSSOP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80				
391865CK	CY62256LL-70ZC	TSSOP-28	32k x 8	256-Kbit, 3V, 70ns, LP	2.05	1.65	1.40				
279814CK	62256S-70	SOJ-28	32k x 8	256-Kbit, 5V, 70ns	1.99	1.79	1.61				
42876CK	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.09	2.49	1.99				
42833CK	62256LP-10	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	3.20	2.40				
42850CK	62256LP-12	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.89	3.49	3.19				
391857CK	CY7C1399B-12VC	SOJ-28	32k x 8	256-Kbit, 3.3V, 12ns, Async.	1.55	1.50	1.48				
279849CK	CY7C199-20V	SOJ-28	32k x 8	256-Kbit, 5V, 20ns, Async.	1.99	1.79	1.61				
279831CK	CY7C199-25V	SOJ-28	32k x 8	256-Kbit, 5V, 25ns, Async.	1.65	1.39	1.05				
279822CK	CY7C199-35V	SOJ-28	32k x 8	256-Kbit, 5V, 35ns, Async.	1.40	1.15	1.05				
392382CK	CY7C464A-15JC	PLCC-32	32k x 9	256-Kbit, 5V, 15ns, Async. FIFO	27.09	26.82	26.55				

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Static RAM (Continued)

Part No.	Cross Ref.	Pkg.	Config.	Description	DIP			SO/SOJ		
					1	10	100	1	10	100
392067CK	CY7C1021CV33-10ZC	TSSOP-44	64k x 16	1-Mbit, 3.3V, 10ns, Async.	\$2.59	\$2.10	\$1.90			
391873CK	CY7C1021CV33-12VC	SOJ-44	64k x 16	1-Mbit, 3.3V, 12ns, Async.	2.35	2.05	1.90			
391929CK	CY7C1021BV33-15ZC	TSSOP-44	64k x 16	1-Mbit, 3.3V, 15ns, LP Async.	3.29	2.95	2.80			
392411CK	CY7C1021CV33-15ZC	TSSOP-44	64k x 16	1-Mbit, 3.3V, 15ns, Async.	2.35	2.05	1.91			
391831CK	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.45	2.05	1.85			
391996CK	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30	2.10			
279873CK	628128S-70	SOJ-32	128k x 8	1-Mbit, 5V, 70ns	2.49	2.19	1.89			
131810CK	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	8.99	7.39	6.69			
103982CK	628128LP-85♣	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	8.49	7.22	5.41			
279911CK	CY7C109B-12V	SOJ-32	128k x 8	1-Mbit, 5V, 12ns, Async.	2.99	2.54	2.28			
391902CK	CY7C1019CV33-12VC	SOJ-32	128k x 8	1-Mbit, 3.3V, 12ns, Async.	2.55	2.05	1.90			
392251CK	CY7C1009B-15VC	SOJ-32	128k x 8	1-Mbit, 5V, 15ns, Async.	3.55	2.86	2.25			
280014CK	625616S-70	SOJ-44	256k x 16	70ns	7.39	6.28	4.71			
392358CK	CY7C10419CV33-12ZC	TSSOP-44	256k x 16	1-Mbit, 3.3V, 12ns, Async.	4.35	4.00	3.70			
280031CK	CY7C1041B-15V	SOJ-44	256k x 16	4-Mbit, 5V, 15ns, Async.	8.09	7.09	6.99			
392198CK	CY7C1041B-15ZC	TSSOP-44	256k x 16	4-Mbit, 5V, 15ns, Async.	4.69	4.59	4.49			
157358CK	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	18.99	16.99	16.19			
280049CK	628512S-70	SOJ-32	512k x 8	4-Mbit, 5V, 20ns, Async.	3.45	3.25	3.05			
280065CK	CY7C1049B-20V	SOJ-36	512k x 8	4-Mbit, 5V, 70ns, Async.	9.39	8.56	7.79			

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PALs and GALs

Part No.	Cross Ref.	Pkg.	Description	DIP			PLCC		
				1	10	100	1	10	100
27748CK	N82S100	DIP-28	16 x 48 x 8 field-prog. logic array, 3-st.	\$14.95	\$13.49	\$12.15			
28020CK	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	2.25	1.75	1.31			
652615CK	16V8-7	DIP-20	7ms 64 x 32 AND array	3.25	2.49	2.25			
88399CK	16V8-10*	DIP-20	10ns 64 x 32 AND array	2.59	2.35	2.10			
37452CK	16V8-15*	DIP-20	15ns 64 x 32 AND array	1.39	1.25	1.12			
37461CK	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.25	1.09	.99			
88292CK	20V8-10**	DIP-24	10ns 64 x 40 AND array	1.85	1.60	1.43			
38658CK	20V8-15**	DIP-24	15ns 64 x 40 AND array	1.55	1.25	1.15			
38666CK	20V8-25**	DIP-24	25ns 64 x 40 AND array	1.69	1.49	1.39			
235352CK	20VP8-25LJ	PLCC-28	25ns 64 x 40 AND array	3.25	2.75	2.05			
123801CK	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49			
39159CK	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.95	3.55			
39167CK	22V10-25	DIP-24	25ns 132 x 44 AND array	3.99	3.49	3.09			

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* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8

** Replaces PALs: 14H8, 14L8, 14P8, 16H6, 16L6, 16P6, 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

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74AC(T)XXX Advanced CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
AC(T)	DIP	SN74AC(T)XXXN	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	DIP	CD74AC(T)XXE	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	SOIC	SN74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW
	SOIC	CD74AC(T)XXXM	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW

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Base No.	Package	Description	Texas Instruments – Save 6-20%			
			Part No.	T.I. Product No.	1	10 100
74AC00	SOIC-14	Quad 2-input NAND gates	263880CK	SN74AC00D	.....*	\$ .16 (\$.122)
74AC00	DIP-14	Quad 2-input NAND gates	256858CK	SN74AC00N	.....\$0.28	.21 .182 (.136)
74AC02	SOIC-14	Quad 2-input NOR gates	264090CK	SN74AC02M	.....	.26 .127 .11
74AC02	DIP-14	Quad 2-input NOR gates	256891CK	CD74AC02E	.....	.21 .182 (.137)
74AC04	SOIC-14	Hex inverters	264111CK	SN74AC04D	.....*	.163 (.122)
74AC04	DIP-14	Hex inverters	256903CK	SN74AC04N	.....	.31 .265 .185
74AC08	SOIC-14	Quad 2-input AND gates	264137CK	SN74AC08D	.....	.26 .182 (.136)
74AC08	DIP-14	Quad 2-input AND gates	256911CK	SN74AC08N	.....	.27 .234 (.176)
74AC10	SOIC-14	Triple 3-input NAND gates	264153CK	SN74AC10D	.....\$0.26	.22 .194 (.145)
74AC10	DIP-14	Triple 3-input NAND gates	256920CK	SN74AC10N	.....	.27 .227 (.17)
74AC11	SOIC-14	Triple 3-input AND gates	264170CK	SN74AC11D	.....\$0.32	.26 .179 (.134)
74AC11	DIP-14	Triple 3-input AND gates	256938CK	SN74AC11N	.....	.40 .335 (.252)
74AC14	SOIC-14	Hex inverters with Schmitt trigger input	264209CK	SN74AC14D	.....	.20 .182 (.136)
74AC14	DIP-14	Hex inverters with Schmitt trigger input	261366CK	SN74AC14N	.....	.23 .21 .20
74AC20	SOIC-14	4-input NAND gate	264233CK	CD74AC20M	.....	.26 .23 (.172)
74AC20	DIP-14	4-input NAND gate	261382CK	CD74AC20N	.....\$0.27	.20 .18 .152
74AC32	SOIC-14	Quad 2-input OR gates	264268CK	SN74AC32D	.....*	.127 (.095)
74AC32	DIP-14	Quad 2-input OR gates	261391CK	SN74AC32N	.....	.25 .219 (.164)
74AC74	SOIC-14	Dual D-type pos. edge-triggered flip-flops	264284CK	SN74AC74D	.....\$0.31	.28 .212 (.159)
74AC74	DIP-14	Dual D-type pos. edge-triggered flip-flops	261403CK	SN74AC74N	.....\$0.40	.25 .227 (.17)
74AC86	SOIC-14	Quad 2-input exclusive OR gates	264305CK	SN74AC86D	.....	.20 .17 (.124)
74AC86	DIP-14	Quad 2-input exclusive OR gates	261454CK	SN74AC86N	.....\$0.37	.20 .182 (.136)
74AC109	SOIC-16	Dual JK positive edge triggered flip-flops	261462CK	CD74AC109E	.....	.37 .313 (.235)
74AC109	DIP-16	Dual JK positive edge triggered flip-flops				
74AC125	SOIC-16	Quad buffers with 3-state outputs	264364CK	CD74AC138M	.....\$0.41	.31 .259 (.194)
74AC125	DIP-14	Quad buffers with 3-state outputs				
74AC138	SOIC-16	1 of 8 decoder/demultiplexer	261471CK	CD74AC138E	.....	.36 .308 (.231)
74AC138	DIP-16	1 of 8 decoder/demultiplexer	264508CK	CD74AC139M	.....\$0.56	.24 .218 .203
74AC139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	261500CK	CD74AC139E	.....\$0.38	.22 .201 (.15)
74AC151	SOIC-16	Quad buffers with 3-state outputs	261526CK	CD74AC151E	.....	.38 .333 (.249)
74AC151	DIP-16	Quad buffers with 3-state outputs				
74AC153	SOIC-16	Dual 4-input multiplexers	264532CK	CD74AC153M	.....\$0.42	.29 .261 .249
74AC153	DIP-16	Dual 4-input multiplexers	261534CK	CD74AC153E	.....	.38 .324 (.243)
74AC157	SOIC-16	Quad 2-input multiplexers	264559CK	CD74AC157M	.....*	.179 (.134)
74AC157	DIP-16	Quad 2-input multiplexers	261542CK	CD74AC157E	.....	.47 .36 (.27)
74AC161	SOIC-16	Synchronous presettable binary counter	264575CK	CD74AC161M	.....	.24 .229 (.17)
74AC161	DIP-16	Synchronous presettable binary counter	261551CK	CD74AC161E	.....	.42 .356 (.267)
74AC163	SOIC-16	Binary counter	264591CK	CD74AC163M	.....\$0.49	.32 .273 .26
74AC163	DIP-16	Binary counter	261585CK	CD74AC163E	.....	.42 .356 (.266)
74AC169	SOIC-16	4-stage synchronous bidirectional counter	264858CK	CD74AC174M	.....\$0.42	.32 .273 (.204)
74AC169	DIP-16	4-stage synchronous bidirectional counter				
74AC174	SOIC-16	Hex D-type flip-flops w/ master reset	261593CK	CD74AC174E	.....	.42 .356 (.268)
74AC175	SOIC-16	Quad D-type flip-flops	264874CK	CD74AC175M	.....\$0.42	.32 .273 .251
74AC175	DIP-16	Quad D-type flip-flops	264971CK	SN74AC240DW	.....\$0.45	.31 .259 (.194)
74AC191	SOIC-16	Up/down counter w/ preset & ripple clock				
74AC191	DIP-16	Up/down counter w/ preset & ripple clock	261614CK	SN74AC240N	.....	.32 .264 .239
74AC240	SOIC-20	Octal invert. buffer/line drivers w/ 3-state outputs	265543CK	SN74AC241DW\$0.45	.34 .286 .221

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Part No.	Cross Ref.	* Minimum order 10 pieces		
		1	10	100
263871CK	74AC00M*	\$.147	\$.11
211801CK	74AC00N*	.167	.125
264081CK	74AC02M	.....*	.116	.087
211810CK	74AC02N	.....	.20	.166
264102CK	74AC04M	.....*	.149	.112
211828CK	74AC04N	.....	.28	.241
264129CK	74AC08M	.....*	.167	.125
211836CK	74AC08N	.....	.25	.244
264145CK	74AC10M	.....\$0.24	.20	.177
238887CK	74AC10N	.....	.25	.21
264161CK	74AC11M	.....\$0.30	.24	.164
238895CK	74AC11N	.....	.37	.31
264196CK	74AC14M	.....*	.166	.124
211844CK	74AC14N	.....	.21	.18
264225CK	74AC20M	.....	.24	.21
238836CK	74AC20N	.....*	.165	.123
264241CK	74AC32M	.....*	.11	.082
211852CK	74AC32N	.....	.23	.199
264276CK	74AC74M	.....\$0.28	.25	.194
211861CK	74AC74N	.....\$0.37	.23	.206
264292CK	74AC86M	.....*	.149	.111
211879CK	74AC86N	.....	.18	.167
264313CK	74AC109M	.....\$0.45	.24	.199
238908CK	74AC109N	.....	.34	.29
264321CK	74AC125M	.....\$0.48	.24	.199
238916CK	74AC125N	.....	.33	.281
264348CK	74AC138M	.....\$0.38	.28	.236
211887CK	74AC138N	.....	.33	.28
264495CK	74AC139M	.....\$0.51	.22	.199
238730CK	74AC139N	.....\$0.35	.20	.184
264516CK	74AC151M	.....\$0.39	.28	.224
238748CK	74AC151N	.....\$0.35	.23	.206
264524CK	74AC153M	.....\$0.39	.26	.224
238756CK	74AC153N	.....	.35	.30
264541CK	74AC157M	.....*	.164	.125
238764CK	74AC157N	.....	.43	.32
264567CK	74AC161M	.....	.22	.208
238772CK	74AC161N	.....	.38	.324
264583CK	74AC163M	.....\$0.44	.29	.249
238781CK	74AC163N	.....	.39	.33
265818CK	74AC169M	.....\$0.68	.30	.249
238799CK	74AC169N	.....	.93	.84
264840CK	74AC174M	.....\$0.42	.29	.251
238801CK	74AC174N	.....	.39	.33
264866CK	74AC175M	.....	.29	.251
238810CK	74AC175N	.....	.39	.33
264903CK	74AC191M	.....\$1.15	.69	.621
238828CK	74AC191N	.....	.74	.67
264938CK	74AC240M	.....\$0.41	.28	.236
211895CK	74AC240N	.....	.30	.241
265535CK	74AC241M	.....\$0.41	.31	.261

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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74AC241	DIP-20	Two 4-bit buffer/line drivers w/ 3-state outputs	261729CK	SN74AC241N⊕	\$0.42 .28	.258 .221
74AC244	SOIC-20	Octal buffer/line driv. w/ 3-state outputs	265560CK	SN74AC244DW⊕	\$0.45 .31	.261 .195
74AC244	DIP-20	Octal buffer/line driv. w/ 3-state outputs	261796CK	SN74AC244N⊕	.22	.218 .163
74AC245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	265594CK	SN74AC245DW⊕	.41	.374 .281
74AC245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	261817CK	SN74AC245N⊕	.39	.315 .236
74AC251	SOIC-16	8-input multiplexer w/ 3-state output	265615CK	CD74AC251M⊕	\$0.54 .31	.259 .239
74AC251	DIP-16	8-input multiplexer w/ 3-state output				
74AC253	SOIC-16	Dual 4-input multiplexer w/ 3-state outputs	265640CK	CD74AC253M⊕	\$0.49 .29	.265 .239
74AC253	DIP-16	Dual 4-input multiplexer w/ 3-state outputs				
74AC257	SOIC-16	Quad 2-input multiplexer	265666CK	CD74AC257M⊕	\$0.41 .30	.245 .184
74AC257	DIP-16	Quad 2-input multiplexer	261956CK	CD74AC257E⊕	.41	.38 .276
74AC273	SOIC-20	Octal D-type flip-flop	265682CK	CD74AC273M⊕	\$0.56 .27	.21 .156
74AC273	DIP-20	Octal D-type flip-flop	261964CK	CD74AC273E⊕	.39	.335 .252
74AC299	SOIC-20	8-input univ. shift/storage reg. w/com. parallel I/O pins				
74AC299	DIP-20	8-input univ. shift/storage reg. w/com. parallel I/O pins				
74AC373	SOIC-20	Octal transparent latch w/ 3-state outputs	265703CK	SN74AC373DW⊕	\$0.56 .32	.291 .245
74AC373	DIP-20	Octal transparent latch w/ 3-state outputs	261981CK	SN74AC373N⊕	.39	.335 .252
74AC374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265720CK	SN74AC374DW⊕	\$0.30 .28	.247 .223
74AC374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262035CK	SN74AC374N⊕	.35	.292 .225
74AC377	SOIC-20	Octal D-type flip flop w/ clock enable				
74AC377	DIP-20	Octal D-type flip flop w/ clock enable				
74AC399	DIP-16	Quad 2-port register				
74AC521	SOIC-20	8-bit identity comparator				
74AC521	DIP-20	8-bit identity comparator				
74AC540	SOIC-20	Octal buffer/line driver w/ 3-state outputs	265746CK	CD74AC540M⊕	\$0.83 .45	.382 .286
74AC540	DIP-20	Octal buffer/line driver w/ 3-state outputs				
74AC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	265762CK	CD74AC541M⊕	\$0.83 .44	.405 .304
74AC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	262051CK	CD74AC541E⊕	.44	.378 .284
74AC573	SOIC-20	Octal latch w/ 3-state outputs	265789CK	SN74AC573DW⊕	.45	.36 .27
74AC573	DIP-20	Octal latch w/ 3-state outputs	262086CK	SN74AC573N⊕	.48	.40 .302
74AC574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265800CK	SN74AC574DW⊕	.41	.374 .281
74AC574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262094CK	SN74AC574N⊕	.35	.292 .225

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Part No.	Cross Ref.	1	10	100
238844CK	74AC241N⊕	.26	.237	.203
265551CK	74AC244M⊕	\$0.41 .28	.24	.179
211908CK	74AC244N⊕	.21	.18	.13
265586CK	74AC245M⊕	\$0.41 .37	.33	.247
211916CK	74AC245N⊕	.33	.28	.21
265607CK	74AC251M⊕	.28	.236	.177
238852CK	74AC251N⊕	.35	.30	.225
265623CK	74AC253M⊕	*	.164	.123
238861CK	74AC253N⊕	.33	.28	.21
265658CK	74AC257M⊕	\$0.38 .26	.224	.168
238879CK	74AC257N⊕	.38	.32	.24
265674CK	74AC273M⊕	\$0.51 .25	.19	.143
211924CK	74AC273N⊕	.36	.31	.233
265826CK	74AC299M⊕	\$1.79 .85	.765	.689
238924CK	74AC299N⊕	.69	.62	.56
265691CK	74AC373M⊕	\$0.51 .30	.265	.199
211932CK	74AC373N⊕	.36	.31	.233
265711CK	74AC374M⊕	*	.182	.136
211941CK	74AC374N⊕	.32	.27	.203
265851CK	74AC377M⊕	*	.146	.111
242763CK	74AC377N⊕	.30	.267	.24
238941CK	74AC399N⊕	1.69	1.50	1.35
265869CK	74AC521M⊕	.69	.62	.56
238959CK	74AC521N⊕	.44	.37	.28
265738CK	74AC540M⊕	\$0.75 .41	.348	.261
238967CK	74AC540N⊕	\$0.44 .39	.348	.261
265754CK	74AC541M⊕	\$0.75 .40	.37	.277
238975CK	74AC541N⊕	.41	.35	.263
265771CK	74AC573M⊕	.41	.33	.247
238983CK	74AC573N⊕	.44	.37	.28
265797CK	74AC574M⊕	.37	.341	.256
238991CK	74AC574N⊕	.32	.27	.203

74ACT Series – ACT family offers TTL inputs with CMOS outputs



			 – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74ACT00	SOIC-14	Quad 2-input NAND gate	265885CK	SN74ACT00D⊕	\$*	.172 .129
74ACT00	DIP-14	Quad 2-input NAND gate	262326CK	SN74ACT00N⊕	.28	.24 .18
74ACT02	SOIC-14	Quad 2-input NOR gate	265922CK	CD74ACT02M⊕	*	.172 .129
74ACT02	DIP-14	Quad 2-input NOR gate	262334CK	CD74ACT02E⊕	.29	.248 .187
74ACT04	SOIC-14	Hex inverter	265949CK	SN74ACT04D⊕	*	.182 .136
74ACT04	DIP-14	Hex inverter	262342CK	SN74ACT04N⊕	.28	.22 .165
74ACT08	SOIC-14	Quad 2-input AND gate	266141CK	SN74ACT08D⊕	*	.182 .136
74ACT08	DIP-14	Quad 2-input AND gate	262351CK	SN74ACT08N⊕	\$0.39 .22	.20 .15
74ACT10	SOIC-14	Triple 3-input NAND gate	266271CK	SN74ACT10D⊕	.29	.26 .195
74ACT10	DIP-14	Triple 3-input NAND gate	262369CK	SN74ACT10N⊕	.22	.20 .15
74ACT14	SOIC-14	Hex inverter with Schmitt trigger input	266301CK	SN74ACT14D⊕	.20	.191 .143
74ACT14	DIP-14	Hex inverter with Schmitt trigger input	262377CK	SN74ACT14N⊕	.28	.238 .178
74ACT32	SOIC-14	Quad 2-input OR gate	266378CK	SN74ACT32D⊕	.22	.182 .136
74ACT32	DIP-14	Quad 2-input OR gate	262465CK	SN74ACT32N⊕	.27	.227 .171
74ACT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	266431CK	SN74ACT74D⊕	.30	.163 .122
74ACT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	262473CK	SN74ACT74N⊕	.28	.24 .18
74ACT86	SOIC-14	Quad 2-input exclusive OR gate	266458CK	SN74ACT86D⊕	*	.154 .116
74ACT86	DIP-14	Quad 2-input exclusive OR gate	262481CK	SN74ACT86N⊕	.28	.263 .197
74ACT125	SOIC-14	Quad buffer with 3-state outputs				
74ACT125	DIP-14	Quad buffer with 3-state outputs				

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Part No.	Cross Ref.	1	10	100
265877CK	74ACT00M⊕	*	.157	.118
211959CK	74ACT00N⊕	.25	.21	.156
265914CK	74ACT02M⊕	*	.157	.117
211967CK	74ACT02N⊕	.27	.23	.173
265957CK	74ACT04M⊕	*	.166	.124
211975CK	74ACT04N⊕	.25	.199	.149
266159CK	74ACT08M⊕	*	.166	.124
211983CK	74ACT08N⊕	.20	.17	.128
266263CK	74ACT10M⊕	.26	.23	.172
239046CK	74ACT10N⊕	.20	.17	.127
266298CK	74ACT14M⊕	*	.174	.13
211991CK	74ACT14N⊕	.26	.22	.165
266360CK	74ACT32M⊕	.20	.166	.124
212003CK	74ACT32N⊕	.25	.21	.158
266423CK	74ACT74M⊕	*	.149	.112
212011CK	74ACT74N⊕	.25	.21	.158
266440CK	74ACT86M⊕	.28	.141	.105
212020CK	74ACT86N⊕	\$0.25 .20	.184	.147
266466CK	74ACT125M⊕	\$0.86 .24	.199	.149
239003CK	74ACT125N⊕	.32	.27	.20

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Phillips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

74ACT Standard Logic (Continued)



RoHS Compliant Product
RoHS Also Available

Details on Page 1

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74ACT Series (Continued) – ACT family offers TTL inputs with CMOS outputs

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Base No.	Package	Description	Part No. T.I. Product No.
74ACT138	SOIC-16	1 of 8 decoder/demultiplexer	266482CK CD74ACT138M 1 .27 .265 .199
74ACT138	DIP-16	1 of 8 decoder/demultiplexer	262490CK CD74ACT138E 1 .27 .227 .171
74ACT139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	266503CK CD74ACT139M 1 .50 .382 .286
74ACT139	DIP-16	Dual 1 of 4 decoder/demultiplexer	262502CK CD74ACT139E 1 .55 .432 .324
74ACT151	SOIC-16	8-input multiplexer	
74ACT151	DIP-16	8-input multiplexer	
74ACT157	SOIC-16	Quad 2-input multiplexer	266538CK CD74ACT157M 1 .32 .26 .234 .212
74ACT157	DIP-16	Quad 2-input multiplexer	262529CK CD74ACT157E 1 * .23 .225
74ACT161	SOIC-16	Synchronous binary counter	266554CK CD74ACT161M 1 .69 .63 .51
74ACT161	DIP-16	Synchronous binary counter	262676CK CD74ACT161E 1 .43 .354 .266
74ACT163	SOIC-16	Synchronous presettable binary counter	266571CK CD74ACT163M 1 .43 .32 .24
74ACT163	DIP-16	Synchronous presettable binary counter	262684CK CD74ACT163E 1 .51 .425 .319
74ACT174	SOIC-16	HEX D-type flip-flop with master reset	266634CK CD74ACT174M 1 .43 .327 .245
74ACT174	DIP-16	HEX D-type flip-flop with master reset	262692CK CD74ACT174E 1 .32 .298 .239
74ACT175	SOIC-16	Quad D-type flip-flop	266685CK CD74ACT175M 1 .80 .43 .327 .245
74ACT175	DIP-16	Quad D-type flip-flop	262799CK CD74ACT175E 1 .59 .50 .375
74ACT240	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266749CK CD74ACT240DW 1 .50 .41 .307
74ACT240	DIP-20	Octal buffer/line driver w/ 3-state outputs	262828CK CD74ACT240N 1 .32 .291 .218
74ACT241	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266773CK SN74ACT241DW 1 .45 .36 .28
74ACT241	DIP-20	Octal buffer/line driver w/ 3-state outputs	263038CK SN74ACT241N 1 .50 .382 .286
74ACT244	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266909CK SN74ACT244DW 1 .35 .21 .19 .143
74ACT244	DIP-20	Octal buffer/line driver w/ 3-state outputs	263046CK SN74ACT244N 1 .55 .464 .346
74ACT245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	266925CK SN74ACT245DW 1 .44 .29 .254 .191
74ACT245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	263062CK SN74ACT245N 1 .40 .354 .266
74ACT251	SOIC-16	8-input multiplexer	
74ACT251	DIP-16	8-input multiplexer	
74ACT257	SOIC-16	Quad 2-input multiplexer w/ 3-st. L. outputs	266968CK CD74ACT257M 1 * .182 .136
74ACT257	DIP-16	Quad 2-input multiplexer w/ 3-st. L. outputs	263097CK CD74ACT257E 1 .40 .37 .30 .225
74ACT273	SOIC-20	Octal D-type flip-flop w/ reset	266984CK CD74ACT273M 1 .50 .41 .31
74ACT273	DIP-20	Octal D-type flip-flop w/ reset	263100CK CD74ACT273E 1 .41 .35 .319 .239
74ACT373	SOIC-20	Octal transparent latch w/ 3-state outputs	267004CK SN74ACT373DW 1 .44 .36 .28
74ACT373	DIP-20	Octal transparent latch w/ 3-state outputs	263177CK SN74ACT373N 1 .54 .443 .333
74ACT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267021CK SN74ACT374DW 1 .45 .36 .28
74ACT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263193CK SN74ACT374N 1 .39 .335 .248
74ACT521	SOIC-20	8-bit identity comparator	
74ACT521	DIP-20	8-bit identity comparator	
74ACT533	SOIC-20	Octal transparent latch w/ 3-state H. outputs	267080CK SN74ACT533DW 1 .49 .37 .28
74ACT533	DIP-20	Octal transparent latch w/ 3-state H. outputs	263425CK SN74ACT533N 1 .57 .47 .432 .388
74ACT541	SOIC-20	Octal buffer/line driver w/ 3-state outputs	267178CK CD74ACT541M 1 .43 .38 .30
74ACT541	DIP-20	Octal buffer/line driver w/ 3-state outputs	263441CK CD74ACT541E 1 .49 .367 .275
74ACT573	SOIC-20	Octal latch with 3-state outputs	267282CK SN74ACT573DW 1 .35 .45 .36 .27
74ACT573	DIP-20	Octal latch with 3-state outputs	263468CK SN74ACT573N 1 .63 .57 .509 .382
74ACT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267346CK SN74ACT574DW 1 .45 .36 .28
74ACT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263476CK SN74ACT574N 1 .57 .486 .365
74ACT715	SOIC-20	Programmable video sync. generator	
74ACT715	DIP-20	Programmable video sync. generator	

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Part No.	Cross Ref.	1	10	100
266474CK	74ACT138M 1 .32 .25 .245 .184			
212038CK	74ACT138N 1 .25 .21 .158			
266491CK	74ACT139M 1 .37 .30 .23			
239011CK	74ACT139N 1 .51 .40 .30			
266511CK	74ACT151M 1 .39 .30 .225			
239020CK	74ACT151N 1 .48 .41 .31			
266520CK	74ACT157M 1 .30 .18 .166 .125			
239038CK	74ACT157N 1 .21 .18 .135			
266546CK	74ACT161M 1 .63 .52 .398 .298			
239071CK	74ACT161N 1 .39 .33 .242			
266562CK	74ACT163M 1 .39 .30 .225			
239062CK	74ACT163N 1 .47 .391 .293			
266600CK	74ACT174M 1 .39 .298 .224			
239054CK	74ACT174N 1 .38 .29 .272 .204			
266677CK	74ACT175M 1 .55 .39 .298 .224			
239089CK	74ACT175N 1 .55 .47 .35			
266731CK	74ACT240M 1 .46 .37 .282			
212046CK	74ACT240N 1 .30 .26 .218			
266765CK	74ACT241M 1 .41 .33 .247			
239097CK	74ACT241N 1 .41 .33 .25			
266896CK	74ACT244M 1 * .174 .13			
212054CK	74ACT244N 1 .51 .43 .32			
266917CK	74ACT245M 1 .40 .26 .232 .174			
212062CK	74ACT245N 1 .36 .31 .23			
266933CK	74ACT251M 1 .46 .35 .26			
239100CK	74ACT251N 1 .25 .222 .20			
266941CK	74ACT257M 1 * .166 .124			
239126CK	74ACT257N 1 .36 .34 .276 .207			
266976CK	74ACT273M 1 .46 .28 .236 .177			
212071CK	74ACT273N 1 .37 .32 .291 .218			
266992CK	74ACT373M 1 .40 .33 .25			
212089CK	74ACT373N 1 .50 .41 .308			
267012CK	74ACT374M 1 .41 .33 .25			
212097CK	74ACT374N 1 .36 .31 .23			
267055CK	74ACT521M 1 .44 .36 .30			
235230CK	74ACT521N 1 .53 .45 .34			
267071CK	74ACT533M 1 .44 .34 .26			
235248CK	74ACT533N 1 .44 .40 .36			
267151CK	74ACT541M 1 .39 .35 .29			
235264CK	74ACT541N 1 .45 .34 .256			
267274CK	74ACT573M 1 .41 .33 .25			
235272CK	74ACT573N 1 .35 .297 .223			
267338CK	74ACT574M 1 .41 .33 .25			
235281CK	74ACT574N 1 .53 .45 .338			
267371CK	74ACT715M 1 9.25 8.35 7.49			
235299CK	74ACT715N 1 .99 7.55 6.02 .451			

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola. Blue P/N = Limited Quantity Available

TTL Logic Data Book

Texas Instruments

Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages, 1988)

• Size: 6.0" x 8.5" • Weight: 2.6 lbs.



Part No.	Description	1	10
88225CK	TTL Logic Data Book	\$34.95	\$31.49

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Jameco Part No.	Product No.	Jameco Price	Digi-Key Price	Mouser Price	Newark Price	Minimum Savings	Discount
212038CK	74ACT138, DIP	\$0.25	\$0.68	\$0.62	\$0.432	\$0.182	42.1%
212089CK	74ACT373, DIP	\$0.50	\$0.80	\$0.62	\$0.80	\$0.12	19.4%
214228CK	74AHC541, DIP	\$0.40	\$0.56	\$0.49	\$0.56	\$0.09	18.4%
263193CK	TI, SN74ACT374N, DIP	\$0.39	\$0.80	\$0.62	\$0.80	\$0.23	37.1%
262481CK	TI, SN74ACT86N, DIP	\$0.28	\$0.50	\$0.34	\$0.356	\$0.06	17.6%
288366CK	TI, SN74AHC541N, DIP	\$0.43	\$0.56	\$0.49	\$0.56	\$0.06	12.2%

These are single unit prices taken from each party's website on February 28, 2006, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

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74AHC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba	Samsung
AHC(T)	DIP	SN74AHC(T)XXXN	74AHC(T)XXXN	MM74VHC(T)XXXN	—	—	—	—	KS74AHC(T)XXXN
	SOIC	SN74AHC(T)XXxD/DW	74AHC(T)XXXM	MM74VHC(T)XXXM/WM	MC74VHC(T)XXxD	M74VHC(T)XXXM	74AHC(T)XXxD	TC74VHC(T)XXxFN/FW	—

74AHC Series – AHC family offers CMOS inputs with CMOS outputs

Quantity SAVE

AHC(T) = VHC(T)




SOIC



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			 – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74AHC00	SOIC-14	Quad 2-input positive NAND gate	289641CK	SN74AHC00D \$3.2	\$2.7 \$1.9
74AHC00	DIP-14	Quad 2-input positive NAND gate	287726CK	SN74AHC00N	..... .36	.30 .21
74AHC02	SOIC-14	Quad 2-input positive NOR gate	289668CK	SN74AHC02D	..... .32	.31 .22
74AHC02	DIP-14	Quad 2-input positive NOR gate	287742CK	SN74AHC02N	..... .26	.216 .162
74AHC04	SOIC-14	Hex inverter	289721CK	SN74AHC04D	..... .32	.31 .22
74AHC04	DIP-14	Hex inverter	287751CK	SN74AHC04N	..... .28	.238 .162
74AHC08	SOIC-14	Quad 2-input positive AND gate	289764CK	SN74AHC08D	..... .40	.32 .22
74AHC08	DIP-14	Quad 2-input positive AND gate	287777CK	SN74AHC08N	..... .25	.216 .162
74AHC14	SOIC-14	Hex inverter with Schmitt trigger input	289799CK	SN74AHC14D	..... .29	.25 .18
74AHC14	DIP-14	Hex inverter with Schmitt trigger input	288171CK	SN74AHC14N	..... .46	.389 .292
74AHC32	SOIC-14	Quad 2-input positive OR gate	289932CK	SN74AHC32D	..... .39	.319 .221
74AHC32	DIP-14	Quad 2-input positive OR gate	288198CK	SN74AHC32N	..... .46	.324 .292
74AHC74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289959CK	SN74AHC74D	..... .40	.32 .22
74AHC74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288201CK	SN74AHC74N	..... .30	.29 .21
74AHC86	SOIC-14	Quad 2-input exclusive OR gate	289983CK	SN74AHC86D	..... .22	.173 .156
74AHC86	DIP-14	Quad 2-input exclusive OR gate	288219CK	SN74AHC86N	..... .25	.216 .162
74AHC138	SOIC-16	3-line to 8-line decoders/demultiplexers	290036CK	SN74AHC138D	..... .42	.373 .304
74AHC138	DIP-16	3-line to 8-line decoders/demultiplexers	288286CK	SN74AHC138N	..... .46	.37 .26
74AHC139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	290061CK	SN74AHC139D	..... .48	.38 .30
74AHC139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288294CK	SN74AHC139N	..... .49	.41 .32
74AHC157	DIP-16	2 to 1 data selector/multiplexer	288382CK	SN74AHC157N	..... .38	.342 .302
74AHC240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	290108CK	SN74AHC240DW	..... .50	.38 .29
74AHC240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288315CK	SN74AHC240N	..... .48	.378 .284
74AHC244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	290175CK	SN74AHC244DW	..... .41	.33 .25
74AHC244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288323CK	SN74AHC244N	..... .36	.291 .221
74AHC245	SOIC-20	Octal bus transceiver w/ 3-state outputs	290191CK	SN74AHC245DW	..... .43	.33 .25
74AHC245	DIP-20	Octal bus transceiver w/ 3-state outputs	288331CK	SN74AHC245N	..... .36	.302 .227
74AHC373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	290212CK	SN74AHC373DW	..... .43	.33 .25
74AHC373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288340CK	SN74AHC373N	..... .48	.40 .292
74AHC374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	290247CK	SN74AHC374DW	..... .29	.237 .212
74AHC374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288358CK	SN74AHC374N	..... .48	.404 .303
74AHC541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	290271CK	SN74AHC541DW	..... .50	.38 .29
74AHC541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	288366CK	SN74AHC541N	..... .43	.367 .275
74AHC574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	290298CK	SN74AHC574DW	..... .29	.237 .213
74AHC574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288374CK	SN74AHC574N58	.448 .337

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Part No.	Cross Ref.	1	10	100
289650CK	74AHC00M \$3.30	\$2.53	\$1.76
214092CK	74AHC00N \$0.32 .24	.216	.185
289676CK	74AHC02M	..... .30	.291	.202
214105CK	74AHC02N	..... .24	.20	.15
289748CK	74AHC04M	..... .30	.291	.202
214113CK	74AHC04N	..... .26	.22	.16
289722CK	74AHC08M	..... .36	.291	.202
214121CK	74AHC08N	..... .23	.20	.15
289801CK	74AHC14M	..... .26	.224	.159
214130CK	74AHC14N	..... .43	.36	.27
289941CK	74AHC32M	..... .35	.291	.202
214148CK	74AHC32N	..... .43	.36	.27
289967CK	74AHC74M	..... .36	.291	.202
214156CK	74AHC74N	..... .24	.22	.18
289991CK	74AHC86M	..... .20	.158	.143
214164CK	74AHC86N	..... .23	.20	.15
290044CK	74AHC138M	..... .39	.34	.277
243213CK	74AHC138N	..... .45	.38	.28
290079CK	74AHC139M	..... .44	.332	.277
243221CK	74AHC139N	..... .45	.38	.28
243230CK	74AHC157N	..... .35	.317	.285
290116CK	74AHC240M	..... .46	.349	.269
214172CK	74AHC240N	..... .44	.35	.263
290183CK	74AHC244M	..... .37	.299	.227
214181CK	74AHC244N	..... .33	.27	.20
290204CK	74AHC245M	..... .39	.299	.227
214199CK	74AHC245N	..... .33	.28	.21
290239CK	74AHC373M	..... .39	.299	.227
214201CK	74AHC373N	..... \$0.44 .33	.266	.20
290255CK	74AHC374M	..... .26	.216	.193
214210CK	74AHC374N	..... .44	.374	.281
290280CK	74AHC541M	..... .46	.349	.265
214228CK	74AHC541N	..... .40	.34	.255
290319CK	74AHC574M	..... .26	.216	.203
214236CK	74AHC574N	..... \$0.54 .40	.332	.249


74AHCT Series – AHCT family offers TTL inputs with CMOS outputs

AHC(T) = VHC(T)



SOIC





			 – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74AHCT00	SOIC-14	Quad 2-input positive NAND gate	289051CK	SN74AHCT00D	..... \$2.4	\$2.0 \$1.6
74AHCT00	DIP-14	Quad 2-input positive NAND gate	288454CK	SN74AHCT00N	..... .23	.15 .13
74AHCT02	DIP-14	Quad 2-input positive NOR gate	288489CK	SN74AHCT02N	..... .36	.30 .21
74AHCT04	SOIC-14	Hex inverter	289086CK	SN74AHCT04D	..... .21	.16 .14
74AHCT04	DIP-14	Hex inverter	288497CK	SN74AHCT04N	..... .34	.30 .21
74AHCT08	SOIC-14	Quad 2-input positive AND gate	289140CK	SN74AHCT08D	..... .21	.16 .15
74AHCT08	DIP-14	Quad 2-input positive AND gate	288569CK	SN74AHCT08N	..... .32	.291 .202
74AHCT14	SOIC-14	Hex inverter with Schmitt trigger input	289166CK	SN74AHCT14D	..... *	.146 .129
74AHCT14	DIP-14	Hex inverter with Schmitt trigger input	288577CK	SN74AHCT14N	..... .35	.291 .202
74AHCT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289262CK	SN74AHCT74D	..... .29	.25 .18
74AHCT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288649CK	SN74AHCT74N	..... .35	.291 .202
74AHCT86	SOIC-14	Quad 2-input exclusive OR gate	289289CK	SN74AHCT86D	..... .23	.191 .166
74AHCT86	DIP-14	Quad 2-input exclusive OR gate	288657CK	SN74AHCT86N23	.19 .17

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* Minimum order 10 pieces

Part No.	Cross Ref.	1	10	100
289060CK	74AHCT00M \$2.22	\$1.83	\$1.43
43844CK	74AHCT00N	..... .21	.15	.10
43852CK	74AHCT02N	..... .32	.27	.20
289094CK	74AHCT04M	..... *	.149	.126
43861CK	74AHCT04N	..... .30	.266	.185
289158CK	74AHCT08M	..... *	.149	.134
63431CK	74AHCT08N	..... .30	.26	.19
289174CK	74AHCT14M	..... *	.133	.118
63458CK	74AHCT14N	..... .32	.27	.19
289254CK	74AHCT74M	..... .26	.224	.159
43924CK	74AHCT74N	..... .32	.27	.20
289297CK	74AHCT86M	..... .21	.174	.151
43932CK	74AHCT86N	..... .21	.18	.13

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

74AHCT & 74ABT Standard Logic



RoHS Compliant Product
RoHS Also Available



Color Code Legend
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74AHCT Series (Continued) – AHCT family offers TTL inputs with CMOS outputs

Quantity SAVE

AHC(T) = VHC(T)

DIP



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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHCT138	SOIC-16	3-line to 8-line decoders/demultiplexers	289318CK	SN74AHCT138D	\$.50	\$.40	\$.30
74AHCT138	DIP-16	3-line to 8-line decoders/demultiplexers	288673CK	SN74AHCT138N	.40	.33	.25
74AHCT139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	289342CK	SN74AHCT139D	.48	.38	.30
74AHCT139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288711CK	SN74AHCT139N	.29	.28	.20
74AHCT240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	289385CK	SN74AHCT240DW	.45	.38	.29
74AHCT240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288737CK	SN74AHCT240N	.29	.259	.248
74AHCT244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	289449CK	SN74AHCT244DW	.43	.33	.25
74AHCT244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288868CK	SN74AHCT244N	.29	.24	.21
74AHCT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	289490CK	SN74AHCT245DW	.43	.33	.25
74AHCT245	DIP-20	Octal bus transceiver w/ 3-state outputs	288884CK	SN74AHCT245N	.43	.328	.248
74AHCT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	289502CK	SN74AHCT373DW	.43	.33	.25
74AHCT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288892CK	SN74AHCT373N	.29	.237	.214
74AHCT374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	289561CK	SN74AHCT374DW	.29	.237	.212
74AHCT374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288913CK	SN74AHCT374N	.29	.237	.212
74AHCT574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	289617CK	SN74AHCT574DW	.43	.33	.25
74AHCT574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288964CK	SN74AHCT574N	.45	.389	.292

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Part No.	Cross Ref.	1	10	100
289326CK	74AHCT138M	\$.45	\$.365	\$.277
243248CK	74AHCT138N	.36	.31	.23
289351CK	74AHCT139M	.44	.35	.277
243256CK	74AHCT139N	.26	.252	.189
289414CK	74AHCT240M	.41	.349	.269
214244CK	74AHCT240N	.26	.241	.181
289457CK	74AHCT244M	.39	.299	.227
63466CK	74AHCT244N	\$.30	.27	.165
289481CK	74AHCT245M	.39	.299	.227
43887CK	74AHCT245N	.39	.299	.227
289511CK	74AHCT373M	.39	.299	.227
43908CK	74AHCT373N	.26	.22	.193
289570CK	74AHCT374M	.26	.216	.193
43916CK	74AHCT374N	.26	.22	.165
289633CK	74AHCT574M	.39	.30	.227
214252CK	74AHCT574N	.42	.36	.27

74ABTXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
ABT	DIP	SN74ABTXXXN	74ABTXXXN	74ABTXXXPC	74ABTXXXN
	SOIC	SN74ABTXXXD/DW	74ABTXXXD	74ABTXXXSC	74ABTXXXD

74ABT Series – BiCMOS Technology for High Performance Bus Systems

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74ABT125	SOIC-14	Quad buffer w/ 3-state outputs	290811CK	SN74ABT125D	\$.51	\$.41	\$.31
74ABT125	DIP-14	Quad bus buffer gate w/ 3-state outputs	290482CK	SN74ABT125N	.41	.34	.29
74ABT240	SOIC-20	Octal invert. buffer/driver w/ 3-state outputs	290909CK	SN74ABT240ADW	.82	.62	.48
74ABT240	DIP-20	Octal invert. buffer/driver w/ 3-state outputs	290503CK	SN74ABT240AN	.72	.62	.47
74ABT241	SOIC-20	Octal buffer/driver w/ 3-state outputs	290941CK	SN74ABT241ADW	.82	.62	.48
74ABT244	SOIC-20	Octal buffer/driver w/ 3-state outputs	291160CK	SN74ABT244ADW	.67	.51	.39
74ABT244	DIP-20	Octal buffer/driver w/ 3-state outputs	290511CK	SN74ABT244AN	.67	.51	.39
74ABT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	291186CK	SN74ABT245BDW	.67	.51	.39
74ABT245	DIP-20	Octal bus transceiver w/ 3-state outputs	290520CK	SN74ABT245BN	.67	.51	.39
74ABT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291223CK	SN74ABT373DW	.65	.491	.373
74ABT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290546CK	SN74ABT373N	.65	.491	.377
74ABT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291266CK	SN74ABT374ADW	.67	.51	.39
74ABT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290589CK	SN74ABT374AN	.65	.491	.373
74ABT377	SOIC-20	Octal edge-triggered D-type flip-flop w/ clock enable	291354CK	SN74ABT377ADW	.74	.56	.43
74ABT534	SOIC-20	Octal edge-triggered D-type flip-flop w/ 3-st. outputs	291371CK	SN74ABT534ADW	.79	.66	.59
74ABT541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	291418CK	SN74ABT541BDW	.66	.47	.42
74ABT541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	290685CK	SN74ABT541BN	.74	.56	.43
74ABT573	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291442CK	SN74ABT573ADW	.65	.49	.38
74ABT573	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290693CK	SN74ABT573AN	.67	.51	.39
74ABT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291557CK	SN74ABT574ADW	.67	.51	.39
74ABT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290706CK	SN74ABT574AN	.38	.334	.328
74ABT646	SOIC-20	Octal bus transceiver w/ 3-state outputs	291602CK	SN74ABT646ADW	1.25	1.06	.86
74ABT646	DIP-24	Octal bus transceiver w/ 3-state outputs	290714CK	SN74ABT646ANT	1.29	1.09	.87
74ABT652	SOIC-24	Octal registered transceivers w/ 3-st. outputs	291741CK	SN74ABT652ADW	1.35	1.12	.89
74ABT2240	SOIC-20	Octal buffer/driver w/ 3-state outputs	291750CK	SN74ABT2240ADW	.82	.62	.47
74ABT2244	SOIC-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	291776CK	SN74ABT2244ADW	.65	.491	.377
74ABT2244	DIP-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	290722CK	SN74ABT2244AN	.65	.491	.377
74ABT5402	SOIC-28	12-bit line/memory driver w/ 3-state outputs	291397CK	SN74ABT5402ADW	3.09	2.69	2.53

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DIP



SOIC



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Part No.	Cross Ref.	1	10	100
290837CK	74ABT125D	\$.45	\$.365	\$.277
290351CK	74ABT125N	.36	.291	.27
290917CK	74ABT240AD	.72	.55	.42
290360CK	74ABT240AN	.63	.55	.42
290950CK	74ABT241AD	.72	.548	.42
291178CK	74ABT244AD	.59	.45	.34
290378CK	74ABT244AN	.59	.448	.344
291194CK	74ABT245BD	.59	.448	.344
290386CK	74ABT245BN	.59	.448	.344
291240CK	74ABT373D	.59	.448	.344
290415CK	74ABT373N	.59	.448	.34
291274CK	74ABT374AD	.59	.448	.344
290423CK	74ABT374AN	.59	.448	.344
291362CK	74ABT377AD	.66	.50	.378
291389CK	74ABT534AD	.73	.65	.59
291426CK	74ABT541BD	.58	.398	.37
290440CK	74ABT541BN	.66	.498	.378
291469CK	74ABT573AD	.59	.448	.34
290431CK	74ABT573AN	.59	.448	.344
291565CK	74ABT574AD	.59	.45	.34
290458CK	74ABT574AN	.35	.309	.304
291637CK	74ABT646AD	1.15	.97	.78
290466CK	74ABT646AN	1.15	.97	.78
291733CK	74ABT652AD	1.15	.99	.80
291768CK	74ABT2240AD	.72	.55	.416
291784CK	74ABT2244AD	.59	.448	.34
290343CK	74ABT2244AN	.59	.448	.344
291400CK	74ABT5402AD	2.79	2.69	2.53

[†]Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/MM	MM74HC(T)XXXM/MM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/MM	MM74HC(T)XXXM/MM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series – HC family offers CMOS inputs with CMOS outputs

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

			 – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74HC00	SOIC-14	Quad 2-input NAND gates	251889CK	SN74HC00D	* .137	.12
74HC00	DIP-14	Quad 2-input NAND gates	250966CK	SN74HC00N	.24	.21 .151
74HC00	TSSOP-14	Quad 2-input NAND gates	379911CK	SN74HC00PW	* .137	.12
74HC02	SOIC-14	Quad 2-input NOR gates	251926CK	SN74HC02D	* .137	.10
74HC02	DIP-14	Quad 2-input NOR gates	250974CK	SN74HC02N	.26	.173 .156
74HC02	TSSOP-14	Quad 2-input NOR gates				
74HC04	SOIC-14	Hex inverter	251934CK	SN74HC04D	* .137	.103
74HC04	DIP-14	Hex inverter	250982CK	SN74HC04N	.26	.228 .193
74HC04	TSSOP-14	Hex Inverter	380058CK	SN74HC04PW	* .137	.12
74HC08	SOIC-14	Quad 2-input AND gates	251942CK	SN74HC08D	* .135	.09
74HC08	DIP-14	Quad 2-input AND gates	251002CK	SN74HC08N	* .173	.13
74HC08	TSSOP-14	Quad 2-input AND gates	380074CK	SN74HC08PW	* .137	.12
74HC10	SOIC-14	Triple 3-input NAND gates	251951CK	SN74HC10D	* .137	.103
74HC10	DIP-14	Triple 3-input NAND gates	251011CK	SN74HC10N	.37	.30 .218
74HC11	DIP-14	Triple 3-input AND gates	251037CK	SN74HC11N	.20	.17 .13
74HC14	SOIC-14	Hex Schmitt trigger inverter	251969CK	SN74HC14D	* .155	.116
74HC14	DIP-14	Hex Schmitt trigger inverter	251045CK	SN74HC14N	.24	.21 .18
74HC14	TSSOP-14	Hex Schmitt trigger inverter	380269CK	SN74HC14PW	.39	.319 .221
74HC30	SOIC-14	8-input NAND gate	251985CK	CD74HC30M	.31	.26 .195
74HC30	DIP-14	8-input NAND gate	251070CK	CD74HC30E	.31	.28 .20
74HC32	SOIC-14	Quad 2-input OR gates	251993CK	SN74HC32D	* .137	.102
74HC32	DIP-14	Quad 2-input OR gates	251088CK	SN74HC32N	.27	.227 .162
74HC32	TSSOP-14	Quad 2-input OR gates	380648CK	SN74HC32PW	* .137	.12
74HC74	SOIC-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	252030CK	SN74HC74D	* .155	.138
74HC74	DIP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	251096CK	SN74HC74N	.30	.275 .242
74HC74	TSSOP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	381106CK	SN74HC74PW	* .155	.138
74HC85	SOIC-16	4-bit magnitude comparator	252048CK	CD74HC85M	.59	.54 .49
74HC85	DIP-16	4-bit magnitude comparator	251109CK	CD74HC85E	.54	.46 .34
74HC86	SOIC-14	Quad 2-input Exclusive OR gates	252056CK	SN74HC86D	* .126	.095
74HC86	DIP-14	Quad 2-input Exclusive OR gates	251133CK	SN74HC86N	.25	.182 .156
74HC86	TSSOP-14	Quad 2-input Exclusive OR gates	381122CK	SN74HC86PW	* .155	.138
74HC123	SOIC-16	Dual retrig. monostable multivibrator w/ reset	252064CK	CD74HC123M	.43	.328 .248
74HC123	DIP-16	Dual retrig. monostable multivibrator w/ reset	251184CK	CD74HC123E	.32	.27 .20
74HC123	TSSOP-16	Dual retrig. monostable multivibrator w/ reset				
74HC125	SOIC-14	Quad bus buffer w/ 3-state outputs	252072CK	SN74HC125D	.25	.216 .162
74HC125	DIP-14	Quad bus buffer w/ 3-state outputs	251192CK	SN74HC125N	.31	.26 .20
74HC125	TSSOP-14	Quad bus buffer w/ 3-state outputs				
74HC132	SOIC-14	Quad pos. NAND gate w/ Schmitt trigger input	252081CK	SN74HC132D	.26	.218 .193
74HC132	DIP-14	Quad pos. NAND gate w/ Schmitt trigger input	251205CK	SN74HC132N	.31	.26 .20
74HC132	TSSOP-14	Quad pos. NAND gate w/ Schmitt trigger input	380146CK	ST74HC132PW	.32	.273 .248
74HC138	SOIC-16	3-to-8 decoder/demultiplexer	252099CK	SN74HC138D	.26	.22 .19
74HC138	DIP-16	3-to-8 decoder/demultiplexer	251213CK	SN74HC138N	.33	.29 .20
74HC138	TSSOP-16	3-to-8 decoder/demultiplexer				
74HC139	SOIC-16	2 to 4 decoder/demultiplexer	252101CK	SN74HC139D	.40	.34 .26
74HC139	DIP-16	2-to 4 decoder/demultiplexer	251221CK	SN74HC139N	.35	.30 .22
74HC154	SOIC-24	4-to-16 line decoder	252110CK	CD74HC154M	.41	.35 .26
74HC154	DIP-24	4-to-16 line decoder (.6"W)	251230CK	CD74HC154E	.80	.72 .54
74HC154	DIP-24	4-to-16 line decoder (.3"W)	251248CK	CD74HC154EN	.81	.68 .55
74HC154	TSSOP-24	4-to-16 line decoder				
74HC157	SOIC-16	Quad 2-to-1 line data selector/multiplexer	252136CK	SN74HC157D	.23	.183 .17
74HC157	DIP-16	Quad 2-to-1 line data selector/multiplexer	251299CK	SN74HC157N	.31	.238 .178
74HC157	TSSOP-16	Quad 2-to-1 line data selector/multiplexer	380306CK	SN74HC157PW	.26	.218 .193

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		* Minimum order 10 pieces			
Part No.	Cross Ref.	1	10	100	
197106CK	74HC00M	* .19	.109		
45161CK	74HC00N	.22	.19	.14	
380015CK	74HC00T	* .125	.109		
197114CK	74HC02M	* .125	.094		
45188CK	74HC02N	.24	.158	.126	
380031CK	74HC02T	* .125	.109		
197122CK	74HC04M	* .133	.085		
45209CK	74HC04N	.24	.208	.176	
380066CK	74HC04T	* .125	.109		
197131CK	74HC08M	* .125	.094		
45225CK	74HC08N	* .158	.12		
380082CK	74HC08T	* .125	.109		
243272CK	74HC10M	* .125	.094		
45233CK	74HC10N	.34	.279	.202	
45268CK	74HC11N	* .158	.119		
197149CK	74HC14M	* .141	.105		
45364CK	74HC14N	.22	.19	.17	
380277CK	74HC14T	.36	.289	.203	
243281CK	74HC30M	.28	.234	.178	
45786CK	74HC30N	\$0.44 .29	.258	.193	
197157CK	74HC32M	* .113	.085		
45794CK	74HC32N	.24	.21	.15	
380656CK	74HC32T	* .125	.109		
197165CK	74HC74M	* .133	.095		
46130CK	74HC74N	.27	.25	.22	
381114CK	74HC74T	* .141	.126		
243299CK	74HC85M	.43	.37	.278	
46172CK	74HC85N	.49	.38	.27	
243301CK	74HC86M	* .108	.094		
46181CK	74HC86N	.23	.166	.143	
381131CK	74HC86T	* .141	.126		
243310CK	74HC123M	.39	.299	.227	
45292CK	74HC123N	.30	.243	.18	
380103CK	74HC123T	.34	.291	.227	
243328CK	74HC125M	.23	.20	.15	
45305CK	74HC125N	.28	.24	.18	
380120CK	74HC125T	.21	.201	.15	
243731CK	74HC132M	\$0.26 .24	.201	.15	
45321CK	74HC132N	.28	.234	.18	
380197CK	74HC132T	.30	.249	.227	
197173CK	74HC138M	* .133	.10		
45330CK	74HC138N	.30	.27	.18	
380251CK	74HC138T	.24	.199	.176	
243740CK	74HC139M	.36	.31	.23	
45356CK	74HC139N	.25	.20	.16	
243758CK	74HC154WM	.37	.30	.23	
111739CK	74HC154WN	.74	.67	.50	
45401CK	74HC154N	.75	.63	.51	
380293CK	74HC154T	.20	.159	.121	
243766CK	74HC157M	.21	.166	.125	
45428CK	74HC157N	.29	.22	.165	
380314CK	74HC157T	.24	.199	.176	

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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74HC Series (Continued) – HC family offers CMOS inputs with CMOS outputs

Quantity SAVE

DIP



SOIC



TSSOP





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			Texas Instruments – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74HC161	SOIC-16	4-bit synchronous binary counter	252144CK	SN74HC161D	.27	\$.206 \$.154
74HC161	DIP-16	4-bit synchronous binary counter	251301CK	SN74HC161N	.29	.25 .18
74HC163	DIP-16	4-bit synchronous presettable binary counter	251310CK	SN74HC163N	.32	.282 .258
74HC164	SOIC-14	8-bit parallel out serial shift register	252152CK	SN74HC164D	.25	.21 .16
74HC164	DIP-14	8-bit parallel out serial shift register	251328CK	SN74HC164N	.41	.33 .25
74HC165	SOIC-16	8-bit parallel load shift register	252161CK	SN74HC165D	.39	.30 .23
74HC165	DIP-16	8-bit parallel load shift register	251336CK	SN74HC165N	.35	.30 .22
74HC165	TSSOP-16	8-bit parallel load shift register	380381CK	SN74HC165PW	.32	.273 .239
74HC174	SOIC-16	Hex-D-type flip-flop with clear	252179CK	SN74HC174D	.25	.21 .16
74HC174	DIP-16	Hex-D-type flip-flop with clear	251352CK	SN74HC174N	.26	.21 .16
74HC174	TSSOP-16	Hex-D-type flip-flop with clear	380437CK	SN74HC174PW	.32	.273 .239
74HC192	DIP-16	Presettable synchronous 4-bit up/down counter	251395CK	CD74HC192E	1.75	1.57 1.39
74HC193	SOIC-16	4-bit synch up/down counter (dual clock w/ clear)	252187CK	SN74HC193D	.43	.328 .248
74HC193	DIP-16	4-bit synch up/down counter (dual clock w/ clear)	251387CK	SN74HC193N	.32	.291 .184
74HC221	SOIC-16	Dual monostable multivibrator w/reset	252259CK	CD74HC221M	.52	.44 .33
74HC221	DIP-16	Dual monostable multivibrator w/reset	251408CK	CD74HC221E	.58	.437 .331
74HC240	SOIC-20	Octal invert. buffer/line driver w/ 3-st. output	252267CK	SN74HC240DW	.36	.281 .211
74HC240	DIP-20	Octal invert. buffer/line driver w/ 3-st. output	251416CK	SN74HC240N	.37	.255 .191
74HC240	TSSOP-20	Octal invert. buffer/line driver w/ 3-st. output	380461CK	SN74HC240PW	.28	.237 .202
74HC244	SOIC-20	Octal buffer and line driver w/ 3-state output	252275CK	SN74HC244DW	.24	.219 .157
74HC244	DIP-20	Octal buffer and line driver w/ 3-state output	251424CK	SN74HC244N	.49	.42 .31
74HC244	TSSOP-20	Octal buffer and line driver w/ 3-state output	380525CK	SN74HC244PW	.28	.237 .202
74HC245	SOIC-20	Octal bus transceiver w/ 3-state output	252291CK	SN74HC245DW	.28	.24 .18
74HC245	DIP-20	Octal bus transceiver w/ 3-state output	251432CK	SN74HC245N	.49	.41 .31
74HC245	TSSOP-20	Octal bus transceiver w/ 3-state output	380568CK	SN74HC245PW	.28	.237 .202
74HC273	SOIC-20	Octal D-type flip-flops with clear	252304CK	SN74HC273DW	.34	.281 .211
74HC273	DIP-20	Octal D-type flip-flops with clear	251459CK	SN74HC273N	.35	.30 .22
74HC273	TSSOP-20	Octal D-type flip-flops with clear	380613CK	SN74HC273PW	.28	.237 .202
74HC373	SOIC-20	Octal D-type transparent latches w/ 3-state out. H.O.	252312CK	SN74HC373DW	.24	.188 .141
74HC373	DIP-20	Octal D-type transparent latches w/ 3-state out. H.O.	251475CK	SN74HC373N	.49	.42 .38
74HC373	TSSOP-20	Octal D-type transparent latches w/ 3-state out. H.O.	380664CK	SN74HC373PW	.28	.237 .202
74HC374	SOIC-20	Octal edge trig D-type flip-flops w/ 3-state outputs	252321CK	SN74HC374DW	.31	.259 .194
74HC374	DIP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	251483CK	SN74HC374N	.53	.42 .31
74HC374	TSSOP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	380736CK	SN74HC374PW	.28	.237 .202
74HC393	SOIC-14	Dual 4-bit binary counter	252339CK	SN74HC393D	.22	.184 .138
74HC393	DIP-14	Dual 4-bit binary counter	251504CK	SN74HC393N	.32	.29 .26
74HC540	SOIC-20	Octal buffer and line driver w/ 3-state output	252347CK	SN74HC540DW	.28	.24 .18
74HC540	DIP-20	Octal buffer and line driver w/ 3-state output	251512CK	SN74HC540N	.40	.335 .251
74HC540	TSSOP-20	Octal buffer and line driver w/ 3-state output	380980CK	SN74HC540PW	.29	.246 .221
74HC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	252355CK	SN74HC541DW	.24	.205 .154
74HC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	251521CK	SN74HC541N	.41	.35 .26
74HC541	TSSOP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	381000CK	SN74HC541PW	.50	.382 .29
74HC573	SOIC-20	Octal transparent D-type latches w/ 3-st. outputs	252363CK	SN74HC573ADW	.23	.21 .20
74HC573	DIP-20	Octal transparent D-type latches w/ 3-st. outputs	251547CK	SN74HC573AN	.41	.346 .304
74HC573	TSSOP-20	Octal transparent D-type latches w/ 3-st. outputs	381026CK	SN74HC573APW	.29	.246 .221
74HC574	SOIC-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	252371CK	SN74HC574DW	.28	.237 .156
74HC574	DIP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	251555CK	SN74HC574N	.41	.35 .26
74HC574	TSSOP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	381042CK	SN74HC574PW	.29	.246 .221
74HC590	DIP-16	8-bit binary counter w/ output reg. tri-state	251635CK	SN74HC590AN	.41	.346 .304
74HC595	SOIC-16	8-bit shift registers w/ 3-st. output registers	252523CK	SN74HC595D	.25	.237 .193
74HC595	DIP-16	8-bit shift registers w/ 3-st. output registers	251643CK	SN74HC595N	.67	.48 .42
74HC595	TSSOP-16	8-bit shift registers w/ 3-st. output registers	252531CK	SN74HC688DW	.42	.36 .27
74HC688	SOIC-20	8-bit identity comparators	251651CK	SN74HC688N	.49	.42 .31
74HC688	DIP-20	8-bit identity comparators				
74HC688	TSSOP-20	8-bit identity comparators				
74HC4017	DIP-16	Decade ctr/div with 10 decoded outputs	251660CK	CD74HC4017E	.54	.49 .469
74HC4020	SOIC-16	14-bit asynchronous binary counter	252540CK	SN74HC4020D	.43	.25 .188
74HC4020	DIP-16	14-bit asynchronous binary counter	251678CK	CD74HC4020E	.29	.20 .184
74HC4040	SOIC-16	12-bit asynchronous binary counter	252586CK	SN74HC4040D	.27	.23 .17
74HC4040	DIP-16	12-bit asynchronous binary counter	251686CK	SN74HC4040N	.33	.26 .22
74HC4040	TSSOP-16	12-bit asynchronous binary counter	380752CK	SN74HC4040PW	.39	.328 .248

Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semiconductor; Philips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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Part No.	Cross Ref.	1	10	100
243774CK	74HC161M	.25	.191	\$.143
45452CK	74HC161N	.26	.22	.165
45479CK	74HC163N	.28	.24	.18
197181CK	74HC164M	.23	.20	.15
45487CK	74HC164N	.38	.30	.23
197190CK	74HC165M	\$.35 .24	.216	.162
45495CK	74HC165N	.32	.27	.20
380429CK	74HC165T	.30	.249	.218
243782CK	74HC174M	.23	.174	.151
45508CK	74HC174N	.25	.21	.16
380453CK	74HC174T	.30	.249	.218
45541CK	74HC192N	1.59	1.45	1.29
243791CK	74HC193M	.39	.299	.227
45559CK	74HC193N	.30	.266	.168
243803CK	74HC221AM	.43	.37	.278
45604CK	74HC221N	.53	.398	.302
243811CK	74HC240WM	.33	.26	.195
45612CK	74HC240N	.34	.26	.19
380488CK	74HC240T	.25	.216	.185
197202CK	74HC244M	.22	.199	.143
45655CK	74HC244N	.45	.39	.35
380509CK	74HC244T	.25	.216	.185
197211CK	74HC245M	.23	.165	.124
45671CK	74HC245N	.45	.38	.29
380592CK	74HC245T	.25	.216	.185
243820CK	74HC273WM	.31	.26	.195
45743CK	74HC273N	\$.39 .32	.276	.202
380630CK	74HC273T	.25	.216	.185
197229CK	74HC373M	.22	.174	.131
45831CK	74HC373N	.45	.39	.35
380699CK	74HC373T	.25	.216	.185
197237CK	74HC374M	.29	.24	.18
45858CK	74HC374N	.49	.39	.29
380744CK	74HC374T	.25	.216	.185
243838CK	74HC393M	.20	.17	.128
45874CK	74HC393N	.29	.25	.18
243846CK	74HC540WM	.26	.22	.165
109760CK	74HC540N	.37	.31	.233
380998CK	74HC540T	.26	.224	.202
243854CK	74HC541WM	.22	.19	.143
46050CK	74HC541N	.37	.31	.24
381018CK	74HC541T	.46	.349	.265
197245CK	74HC573M	.21	.18	.169
46076CK	74HC573N	.31	.26	.22
381034CK	74HC573T	.26	.224	.202
197253CK	74HC574M	.23	.20	.15
46084CK	74HC574N	.37	.31	.28
381051CK	74HC574T	.26	.224	.202
88090CK	74HC590N	.38	.32	.24
245075CK	74HC595M	.23	.20	.179
46105CK	74HC595N	.62	.44	.39
381077CK	74HC595T	.25	.216	.185
245083CK	74HC688WM	.38	.32	.24
46113CK	74HC688N	.44	.37	.30
381093CK	74HC688T	.39	.324	.286
45891CK	74HC4017N	.50	.46	.428
245091CK	74HC4020M	.39	.21	.158
45903CK	74HC4020N	.26	.183	.168
245104CK	74HC4040M	.25	.21	.158
45920CK	74HC4040N	.30	.24	.21
380787CK	74HC4040T	.35	.299	.227

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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXD/DW	74HC(T)XXM/WM	MM74HC(T)XXM/WM	MC74HC(T)XXD	M74HC(T)XXXMIR	74HC(T)XXD	TC74HC(T)XXAF/AFW
	SOIC	CD74HC(T)XXM	74HC(T)XXM/WM	MM74HC(T)XXM/WM	MC74HC(T)XXD	M74HC(T)XXXMIR	74HC(T)XXD	TC74HC(T)XXAF/AFW
	TSSOP	SN74HC(T)XXPW	74HC(T)XXT	MM74HC(T)XXMTC	MC74HC(T)XXD	M74HC(T)XXT	74HC(T)XXPW	—

74HC Series (Continued) – HC family offers CMOS inputs with CMOS outputs

Quantity SAVE



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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HC4046	SOIC-16	Phase locked loop w/ VCO	252460CK	CD74HC4046AM \$.39	\$.33	(\$.25)
74HC4046	DIP-16	Phase locked loop w/ VCO	251694CK	CD74HC4046AE	..... .47	.382	.29
74HC4046	TSSOP-16	Phase locked loop w/ VCO					
74HC4049	SOIC-16	Hex buffers inverting	252478CK	CD74HC4049M	..... .34	.29	.25
74HC4049	DIP-16	Hex buffers inverting	272049CK	CD74HC4049E	..... .42	.355	.29
74HC4049	TSSOP-16	Hex buffers inverting					
74HC4050	SOIC-16	Hex buffers non-inverting	252486CK	CD74HC4050M	..... .40	.34	(\$.26)
74HC4050	DIP-16	Hex buffers non-inverting	272065CK	CD74HC4050E	..... .45	.364	.276
74HC4050	TSSOP-16	Hex buffers non-inverting	380841CK	CD74HC4050PW	..... .42	.355	.276
74HC4051	SOIC-16	8-channel analog multiplexer	252380CK	CD74HC4051M	..... .36	.302	(\$.227)
74HC4051	DIP-16	8-channel analog multiplexer	251707CK	CD74HC4051E	..... .36	.31	.26
74HC4051	TSSOP-16	8-channel analog multiplexer					
74HC4052	SOIC-16	Dual 4-channel analog multiplexer	252494CK	CD74HC4052M	..... .38	.324	.243
74HC4052	DIP-16	Dual 4-channel analog multiplexer	272081CK	CD74HC4052E	..... .48	.36	.273
74HC4052	TSSOP-16	Dual 4-channel analog multiplexer					
74HC4053	SOIC-16	Triple 2-channel analog multiplexer	252515CK	CD74HC4053M	..... .36	.302	(\$.227)
74HC4053	DIP-16	Triple 2-channel analog multiplexer	272111CK	CD74HC4053E	..... .44	.40	.276
74HC4053	TSSOP-16	Triple 2-channel analog multiplexer	380904CK	CD74HC4053PW	..... .42	.355	.276
74HC4060	SOIC-16	14-stage asynch binary counter and oscillator	252419CK	SN74HC4060D	..... .43	.355	.248
74HC4060	DIP-16	14-stage asynch binary counter and oscillator	251803CK	SN74HC4060N	..... .30	.27	.25
74HC4060	TSSOP-16	14-stage asynch binary counter and oscillator	380921CK	SN74HC4060PW	..... .42	.355	.313
74HC4066	SOIC-14	Quad bilateral analog switch	252435CK	SN74HC4066D	..... .32	.237	.181
74HC4066	DIP-14	Quad bilateral analog switch	251811CK	SN74HC4066N	..... .45	.364	.276
74HC4066	TSSOP-14	Quad bilateral analog switch	380947CK	SN74HC4066PW	..... .42	.355	.276
74HC4316	SOIC-16	High speed quad analog switches w/ level translation	252566CK	CD74HC4316M	..... .42	.36	.28
74HC4316	DIP-16	High speed quad analog switches w/ level translation	272145CK	CD74HC4316E	..... .34	.282	.235
74HC4316	TSSOP-16	High speed quad analog switches w/ level translation	380963CK	CD74HC4316PW	..... .42	.324	.286
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.3"W)	318908CK	CD74HC4514EN	..... .88	.83	.80
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.6"W)	251820CK	CD74HC4514E	..... 1.69	1.54	1.40
74HC4538	SOIC-16	Dual retrig precision monostable multivibrator	252443CK	CD74HC4538M	..... .30	.26	.227
74HC4538	DIP-16	Dual retrig precision monostable multivibrator	251838CK	CD74HC4538E46	.421	.302

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Part No.	Cross Ref.	1	10	100
243900CK	74HC4046M \$.35	\$.30	(\$.225)
45938CK	74HC4046N44	.37	.269
380816CK	74HC4046T	..... .35	.299	.252
243918CK	74HC4049M	..... .31	.26	(\$.195)
272057CK	74HC4049N	..... .39	.33	.25
380832CK	74HC4049T	..... .31	.266	.235
243926CK	74HC4050M	..... .36	.31	(\$.23)
272073CK	74HC4050N	..... .41	.332	.252
380859CK	74HC4050T	..... .39	.324	.252
243862CK	74HC4051M	..... .33	.28	(\$.21)
88102CK	74HC4051N	..... \$0.36	.33	.285
380875CK	74HC4051T	..... .39	.324	.252
245059CK	74HC4052M	..... .35	.30	(\$.225)
272090CK	74HC4052N	..... .44	.329	.249
380891CK	74HC4052T	..... .39	.299	.227
245067CK	74HC4053M	..... .33	.28	(\$.21)
272129CK	74HC4053N	..... .40	.365	.252
380912CK	74HC4053T	..... .39	.324	.252
243871CK	74HC4060M	..... .39	.30	.23
45962CK	74HC4060N	..... \$0.33	.28	.248
380939CK	74HC4060T	..... .39	.324	.286
243889CK	74HC4066M	..... .29	.216	.157
45971CK	74HC4066N	..... .41	.332	.252
380955CK	74HC4066T	..... .39	.324	.252
245112CK	74HC4316M	..... .39	.33	(\$.25)
272153CK	74HC4316N	..... \$0.44	.31	.259
380971CK	74HC4316T	..... .39	.324	.286
46009CK	74HC4514N (.3"W)	..... .81	.69	.52
243897CK	74HC4538M	..... .27	.23	.21
46017CK	74HC4538N	..... .43	.39	.28

74HCT Series – HCT family offers TTL inputs with CMOS outputs

Quantity SAVE





Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HCT00	SOIC-14	Quad 2-input NAND gates	246393CK	SN74HCT00D	..... *	\$ .137	(\$.103)
74HCT00	DIP-14	Quad 2-input NAND gates	246406CK	SN74HCT00N	..... .26	.22	(\$.165)
74HCT00	TSSOP-14	Quad 2-input NAND gates	381149CK	SN74HCT00PW	..... *	.137	.12
74HCT02	SOIC-14	Quad 2-input NOR gates	268373CK	SN74HCT02D	..... .31	.26	(\$.20)
74HCT02	DIP-14	Quad 2-input NOR gates	246414CK	SN74HCT02N	..... .36	.291	.202
74HCT04	SOIC-14	Hex inverters	246369CK	SN74HCT04D	..... *	.137	.11
74HCT04	DIP-14	Hex inverters	246422CK	SN74HCT04N	..... *	.171	.145
74HCT04	TSSOP-14	Hex inverters	381165CK	SN74HCT04PW	..... *	.137	.12
74HCT08	SOIC-14	Quad 2-input AND gates	246078CK	SN74HCT08D	..... *	.137	(\$.103)
74HCT08	DIP-14	Quad 2-input AND gates	246431CK	SN74HCT08N	..... .26	.19	.129
74HCT08	TSSOP-14	Quad 2-input AND gates	381181CK	SN74HCT08PW	..... *	.137	.12
74HCT10	DIP-14	Triple 3-input NAND gates					
74HCT11	DIP-14	Triple 3-input NAND gates					

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* Minimum order 10 pieces

Part No.	Cross Ref.	1	10	100
246027CK	74HCT00M *	\$.125	(\$.094)
44871CK	74HCT00N	..... .24	.20	.19
381157CK	74HCT00T	..... *	.125	.109
268390CK	74HCT02M	..... .28	.24	(\$.18)
44880CK	74HCT02N	..... .33	.266	.185
246035CK	74HCT04M	..... *	.125	.101
44898CK	74HCT04N	..... *	.158	(\$.118)
381173CK	74HCT04T	..... *	.125	.125
246043CK	74HCT08M	..... *	.125	(\$.094)
44901CK	74HCT08N	..... .24	.183	.118
381190CK	74HCT08T	..... *	.125	.109
618046CK	74HCT10	..... .34	.279	.218
618054CK	74HCT11N	..... .44	.349	.265

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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74HCT Series (Continued) – HCT family offers TTL inputs with CMOS outputs

Quantity SAVE












































SOIC





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





























 – Save 6-20%			
Part No.	T.I. Product No.	1	10 100
74HCT14	SOIC-14 Hex Schmitt trigger inverters	246377CK	SN74HCT14D  * \$.155 \$.116
74HCT14	DIP-14 Hex Schmitt trigger inverters	246449CK	SN74HCT14N 25 .21 .16
74HCT14	TSSOP-14 Hex Schmitt trigger inverters	381229CK	SN74HCT14PW  * .155 .138
74HCT32	SOIC-14 Quad 2-input OR gates	246318CK	SN74HCT32D  * .137 .103
74HCT32	DIP-14 Quad 2-input OR gates	246457CK	SN74HCT32N 20 .173 .156
74HCT32	TSSOP-14 Quad 2-input OR gates	381325CK	SN74HCT32PW  * .137 .12
74HCT74	SOIC-14 Dual D-type pos edge-trig flip-flops w/ clear and preset	246262CK	SN74HCT74D  * .155 .116
74HCT74	DIP-14 Dual D-type pos edge-trig flip-flops w/ clear and preset	246465CK	SN74HCT74N 29 .25 .187
74HCT74	TSSOP-14 Dual D-type pos edge-trig flip-flops w/ clear and preset	381472CK	SN74HCT74PW  * .155 .138
74HCT86	SOIC-14 Quad 2-input exclusive OR gates	268411CK	CD74HCT86M 36 .32 .26
74HCT86	DIP-14 Quad 2-input exclusive OR gates	246473CK	CD74HCT86E 37 .31 .23
74HCT123	SOIC-16 Dual retrig. monostable multivibrators w/ reset	271951CK	CD74HCT123M 32 .27 .22
74HCT123	DIP-16 Dual retrig. monostable multivibrators w/ reset	246481CK	CD74HCT123E 32 .296 .245
74HCT125	SOIC-14 Quad 3-state bus buffers	271986CK	SN74HCT125D  * .13 .095
74HCT125	DIP-14 Quad 3-state bus buffers	246490CK	SN74HCT125N 29 .237 .212
74HCT138	SOIC-16 3 to 8 decoder/demultiplexer	246385CK	SN74HCT138D 22 .19 .143
74HCT138	DIP-16 3 to 8 decoder/demultiplexer	246502CK	SN74HCT138N 40 .346 .304
74HCT138	TSSOP-16 3 to 8 decoder/demultiplexer	381202CK	SN74HCT138PW 26 .218 .193
74HCT139	SOIC-16 2 to 4 decoder/demultiplexer	246289CK	SN74HCT139D 27 .23 .17
74HCT139	DIP-16 2 to 4 decoder/demultiplexer	246511CK	SN74HCT139N 33 .291 .239
74HCT154	DIP-24 4 to 16 decoder/demultiplexer	246521CK	CD74HCT154E  1.15 .98 .73
74HCT157	SOIC-16 Quad 2 to 1 data selectors/multiplexers	246300CK	SN74HCT157D 45 .38 .29
74HCT157	DIP-16 Quad 2 to 1 data selectors/multiplexers	272170CK	SN74HCT157N 34 .281 .22
74HCT164	SOIC-14 8-bit serial in/parallel out shift register	253016CK	CD74HCT164M 32 .281 .20
74HCT164	DIP-14 8-bit serial in/parallel out shift register	250819CK	CD74HCT164E 42 .355 .273
74HCT240	SOIC-20 Octal invert. buffer/line driver w/ 3-st. outputs	246351CK	SN74HCT240DW 28 .24 .18
74HCT240	DIP-20 Octal invert. buffer/line driver w/ 3-st. outputs	250827CK	SN74HCT240N 26 .22 .18
74HCT240	TSSOP-20 Octal invert. buffer/line driver w/ 3-st. outputs	381253CK	SN74HCT240PW 30 .256 .218
74HCT244	SOIC-20 Octal buffer/line driver w/ 3-state outputs	246342CK	SN74HCT244DW 28 .24 .18
74HCT244	DIP-20 Octal buffer/line driver w/ 3-state outputs	250835CK	SN74HCT244N 34 .29 .22
74HCT244	TSSOP-20 Octal buffer/line driver w/ 3-state outputs	381261CK	SN74HCT244PW 28 .237 .202
74HCT245	SOIC-20 Octal bus transceiver w/ 3-state outputs	246334CK	SN74HCT245DW 25 .21 .16
74HCT245	DIP-20 Octal bus transceiver w/ 3-state outputs	250843CK	SN74HCT245N 37 .319 .276
74HCT245	TSSOP-20 Octal bus transceiver w/ 3-state outputs	381288CK	SN74HCT245PW 28 .237 .202
74HCT273	SOIC-20 Octal D-type flip-flop with clear	246326CK	SN74HCT273DW 28 .24 .18
74HCT273	DIP-20 Octal D-type flip-flop with clear	250851CK	SN74HCT273N 32 .28 .267
74HCT273	TSSOP-20 Octal D-type flip-flop with clear	381309CK	SN74HCT273PW 28 .237 .202
74HCT373	SOIC-20 Octal transparent D-type latches w/ 3-state outputs	246140CK	SN74HCT373DW 25 .21 .16
74HCT373	DIP-20 Octal transparent D-type latches w/ 3-state outputs	250878CK	SN74HCT373N  \$0.37 .23 .173 .13
74HCT373	TSSOP-20 Octal transparent D-type latches w/ 3-state outputs	246166CK	SN74HCT374DW 28 .24 .18
74HCT374	SOIC-20 Octal D-type flip-flop edge-trig. w/ 3-st. outputs	250894CK	SN74HCT374N 31 .27 .203
74HCT374	DIP-20 Octal D-type flip-flop edge-trig. w/ 3-st. outputs	381368CK	SN74HCT374PW 28 .237 .202
74HCT393	DIP-14 Dual 4-stage binary counter	250907CK	CD74HCT393E 47 .355 .27
74HCT540	SOIC-20 Octal buffer/line driver w/ 3-state outputs	246182CK	SN74HCT540DW 29 .25 .225
74HCT540	DIP-20 Octal buffer/line driver w/ 3-state outputs	250915CK	SN74HCT540N 50 .38 .294
74HCT540	TSSOP-20 Octal buffer/line driver w/ 3-state outputs	246203CK	SN74HCT541DW 32 .282 .248
74HCT541	SOIC-20 Octal buffer/line driver w/ 3-state NOR gate enabled	250923CK	SN74HCT541N 27 .227 .173
74HCT541	DIP-20 Octal buffer/line driver w/ 3-state NOR gate enabled	381413CK	SN74HCT541PW 29 .246 .221
74HCT573	SOIC-20 Octal transparent D-type latches w/ 3-state outputs	246211CK	SN74HCT573DW 29 .25 .235
74HCT573	DIP-20 Octal transparent D-type latches w/ 3-state outputs	250931CK	SN74HCT573N 38 .33 .25
74HCT573	TSSOP-20 Octal transparent D-type latches w/ 3-state outputs	246246CK	SN74HCT574DW 27 .23 .173
74HCT574	SOIC-20 Octal D-type F/F w/ 3-st. outputs flow thru	250940CK	SN74HCT574N 43 .33 .25
74HCT574	DIP-20 Octal D-type F/F w/ 3-st. outputs flow thru	250958CK	CD74HCT688E 64 .52 .41
74HCT688	DIP-20 8-bit identity comparator		

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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* Minimum order 10 pieces			
Part No.	Cross Ref.	1	10 100
246060CK	74HCT14M 	* \$.141	\$.106
44935CK	74HCT14N 23	.20	.15
381237CK	74HCT14T 	* .141	.126
246123CK	74HCT32M 	* .125	.094
45057CK	74HCT32N 	* .158	.143
381333CK	74HCT32T 	* .125	.109
246254CK	74HCT74M 	* .141	.106
45137CK	74HCT74N 26	.224	.202
381481CK	74HCT74T 	* .141	.126
268429CK	74HCT86M 33	.29	.20
45145CK	74HCT86N 28	.22	.165
271960CK	74HCT123M 29	.26	.23
88049CK	74HCT123N 30	.274	.227
271994CK	74HCT125M 	* .12	.089
243192CK	74HCT125N 25	.21	.158
246051CK	74HCT138M  \$0.22 .20	.175	.132
44927CK	74HCT138N 33	.282	.26
381211CK	74HCT138T 24	.199	.176
246271CK	74HCT139M 25	.21	.19
63773CK	74HCT139N 30	.266	.218
88057CK	74HCT154N  1.05	.89	.67
246297CK	74HCT157M 41	.35	.26
272196CK	74HCT157N 31	.26	.20
253024CK	74HCT164M 30	.26	.19
44978CK	74HCT164N 39	.324	.249
246086CK	74HCT240WM 25	.21	.16
45014CK	74HCT240N 32	.27	.20
381245CK	74HCT240T 28	.237	.202
246094CK	74HCT244WM 25	.21	.16
45022CK	74HCT244N 31	.28	.25
381270CK	74HCT244T 25	.216	.185
246107CK	74HCT245WM 23	.20	.15
45031CK	74HCT245N 34	.29	.22
381296CK	74HCT245T 25	.216	.185
246115CK	74HCT273WM 25	.21	.16
45049CK	74HCT273N 29	.257	.213
381317CK	74HCT273T 25	.216	.185
246131CK	74HCT373WM 23	.20	.15
45065CK	74HCT373N 21	.158	.12
381350CK	74HCT373T 25	.216	.185
246158CK	74HCT374WM 25	.21	.16
45073CK	74HCT374N 29	.25	.188
381376CK	74HCT374T 25	.216	.185
243205CK	74HCT393N 43	.324	.244
246174CK	74HCT540WM 26	.22	.21
109778CK	74HCT540N 46	.349	.262
381405CK	74HCT540T 26	.224	.202
246191CK	74HCT541WM 30	.257	.227
99303CK	74HCT541N 25	.21	.16
381421CK	74HCT541T 26	.224	.202
246220CK	74HCT573WM 26	.22	.20
45090CK	74HCT573N 35	.30	.23
381448CK	74HCT573T 26	.224	.202
246238CK	74HCT574WM 25	.21	.169
45102CK	74HCT574N 39	.30	.23
381456CK	74HCT574T 26	.224	.202
45129CK	74HCT688N 58	.49	.37

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74FXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
F	DIP	SN74FXXXN	74FXXXN	74FXXXPC	N74FXXXN
	SOIC	SN74FXXXD/DW	74FXXXD	74FXXXSC	N74FXXXD

74F Series – General purpose family of high speed advanced bipolar logic

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74F00	SOIC-14	Quad 2-input NAND gates	282845CK	SN74F00D	.21	.16	.143
74F00	DIP-14	Quad 2-input NAND gates	281471CK	SN74F00N	.21	.16	.14
74F02	SOIC-14	Quad 2-input NOR gates	282888CK	SN74F02D	.24	.21	.17
74F02	DIP-14	Quad 2-input NOR gates	281480CK	SN74F02N	.29	.24	.19
74F04	SOIC-14	Hex inverters	283071CK	SN74F04D	.26	.23	.19
74F04	DIP-14	Hex inverters	281498CK	SN74F04N	.24	.18	.15
74F08	SOIC-14	Quad 2-input AND gates	283080CK	SN74F08D	.22	.18	.16
74F08	DIP-14	Quad 2-input AND gates	281501CK	SN74F08N	.22	.18	.16
74F14	SOIC-14	Hex inverters w/ Schmitt trigger					
74F14	DIP-14	Hex inverters w/ Schmitt trigger					
74F20	DIP-14	Dual 4-input NAND gates	281527CK	SN74F20N	.23	.20	.17
74F30	DIP-14	8-input NAND gate	281535CK	SN74F30N	.47	.40	.285
74F32	SOIC-14	Quad 2-input OR gates	283098CK	SN74F32D	.27	.24	.20
74F32	DIP-14	Quad 2-input OR gates	281543CK	SN74F32N	.36	.30	.22
74F38	SOIC-14	Quad 2-input NAND buffers	283119CK	SN74F38D	.22	.155	.138
74F38	DIP-14	Quad 2-input NAND buffers	281893CK	SN74F38N	.33	.281	.211
74F74	SOIC-14	Quad 2-input NAND buffers w/ open coll. outputs	283135CK	SN74F74D	.30	.264	.202
74F74	DIP-14	D-type flip-flop w/ clear	281906CK	SN74F74N	.44	.36	.247
74F86	SOIC-14	Quad 2-input exclusive-OR gates	283143CK	SN74F86D	.31	.264	.202
74F86	DIP-14	Quad 2-input exclusive-OR gates	281914CK	SN74F86N	.36	.30	.21
74F125	SOIC-14	Quad bus buffer gates w/ 3-state outputs	283151CK	SN74F125D	.37	.30	.23
74F125	DIP-14	Quad bus buffer gates w/ 3-state outputs	281922CK	SN74F125N	.27	.227	.171
74F132	SOIC-14	Quad 2-input NAND Schmitt triggers					
74F138	SOIC-16	3 to 8 decoder/demultiplexer	283186CK	SN74F138D	.34	.27	.25
74F138	DIP-16	3 to 8 decoder/demultiplexer	281931CK	SN74F138N	.42	.34	.26
74F139	DIP-16	1 of 4 decoder/demultiplexer					
74F148	SOIC-16	8 to 3 line priority encoder					
74F148	DIP-16	8 to 3 line priority encoder					
74F157	SOIC-16	2 to 1 data selector/multiplexers	283207CK	SN74F157AD	.37	.30	.28
74F157	DIP-16	2 to 1 data selector/multiplexers	281949CK	SN74F157AN	.22	.184	.138
74F161	SOIC-16	Sync. 4-bit binary counter	283469CK	SN74F161AD	.45	.34	.26
74F161	DIP-16	Sync. 4-bit binary counter	281957CK	SN74F161AN	.42	.33	.30
74F163	DIP-16	Sync. 4-bit presettable binary counter	281965CK	SN74F163AN	.24	.205	.154
74F164	DIP-14	Shift register					
74F169	SOIC-16	4-bit up/down binary counter	283485CK	SN74F169D	2.19	2.09	2.00
74F169	DIP-16	4-bit up/down binary counter	281973CK	SN74F169N	.59	.51	.378
74F174	DIP-16	Hex D-type flip-flop w/ clear	282693CK	SN74F174N	.34	.27	.25
74F240	SOIC-20	Octal invert. buffer/driver with 3-state	283506CK	SN74F240DW	.43	.328	.248
74F240	DIP-20	Octal invert. buffer/driver with 3-state	281981CK	SN74F240N	.36	.302	.227
74F244	SOIC-20	Octal buffer/driver with 3-state outputs	283514CK	SN74F244DW	.52	.46	.36
74F244	DIP-20	Octal buffer/driver with 3-state outputs	281990CK	SN74F244N	.45	.34	.26
74F245	SOIC-20	Octal bus transceiver with 3-state outputs	283549CK	SN74F245DW	.45	.34	.26
74F245	DIP-20	Octal bus transceiver with 3-state outputs	282001CK	SN74F245N	.27	.255	.191
74F257	SOIC-16	Quad 2 to 1 data selector/multi w/ 3-st. outputs	283565CK	SN74F257D	.43	.34	.26

† Note: Fairchild now owns National Semi logic; and Philips now owns Signetics.

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Part No.	Cross Ref.	1	10	100
287697CK	74F00D	* .141	* .119	
286985CK	74F00N	* .141	* .126	
287689CK	74F02D	.21	.183	.148
286993CK	74F02N	.25	.216	.151
287671CK	74F04D	.23	.199	.168
287005CK	74F04N	.21	.158	.119
287662CK	74F08D	.20	.158	.143
287013CK	74F08N	.20	.158	.129
287654CK	74F14D	.22	.191	.176
287021CK	74F14N	.22	.191	.159
287030CK	74F20N	.21	.174	.149
245121CK	74F30N	.41	.349	.252
287638CK	74F32D	.24	.208	.176
287048CK	74F32N	.20	.183	.16
283127CK	74F38D	.20	.141	.126
245139CK	74F38N	.30	.26	.198
287620CK	74F74D	.27	.241	.171
287056CK	74F74N	.39	.315	.199
287611CK	74F86D	.28	.241	.185
287064CK	74F86N	.32	.266	.185
283160CK	74F125D	.33	.266	.202
245147CK	74F125N	.25	.21	.158
283178CK	74F132D	.32	.257	.235
287566CK	74F138D	.30	.241	.218
287072CK	74F138N	.37	.299	.227
287081CK	74F139N	.26	.216	.189
283194CK	74F148D	.36	.315	.244
245163CK	74F148N	.27	.23	.173
283215CK	74F157AD	.33	.266	.244
245171CK	74F157AN	.20	.17	.128
283477CK	74F161AD	.39	.299	.227
245180CK	74F161AN	.37	.314	.236
245198CK	74F163AN	.22	.19	.143
245201CK	74F164AN	.40	.299	.269
283493CK	74F169D	.68	.58	.43
245219CK	74F169N	.55	.47	.35
282731CK	74F174N	.30	.241	.218
287558CK	74F240D	.39	.299	.227
245227CK	74F240N	.33	.28	.21
287540CK	74F244D	.46	.407	.319
287110CK	74F244N	.39	.299	.198
287531CK	74F245D	.39	.299	.227
287144CK	74F245N	.25	.21	.158
283577CK	74F257D	.38	.299	.227




Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!

IC Test Clip Series

- For temporary connections to DIP package components
- Heavy-duty spring loaded hinge provides positive contact
- 20 AWG insulated gold contacts • Color: white



Part No.	Cross Ref.	Description	1	10	25
22103CK	JTC16	16-pin (for 8, 14 and 16-pin ICs)	\$6.95	\$6.25	\$5.59
22120CK	JTC20	20-pin (for 18 and 20-pin ICs)	8.95	6.50	5.35
22162CK	JTC28	28-pin (for 24 and 28-pin ICs)	10.95	9.95	8.95
22189CK	JTC40	40-pin (for 32 and 40-pin ICs)	11.95	11.35	10.75

RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

74F & 74LS Standard Logic



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

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74F Series (Continued) – General purpose family of high speed advanced bipolar logic



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Base No.	Package	Description	Texas Instruments – Save 6-20%			
			Part No.	T.I. Product No.	1	10 100
74F257	DIP-16	Quad 2 to 1 data selector/multi w/ 3-st. outputs	282044CK	SN74F257N	\$.34	\$.28 \$.26
74F273	DIP-20	Octal D-type flip-flop	282052CK	SN74F299N	1.25	1.00 .76
74F299	DIP-20	8-bit shift/storage register w/ 3-state outputs	283590CK	SN74F373DW	.44	.355 .267
74F373	SOIC-20	Octal transparent D-type latch w/ 3-state outputs	282079CK	SN74F373N	.60	.46 .35
74F373	DIP-20	Octal transparent D-type latch w/ 3-state outputs	283602CK	SN74F374DW	.43	.33 .25
74F374	SOIC-20	Octal edge trig. D-type flip-flop with 3-st. outputs	282600CK	SN74F374N	.40	.31 .257
74F374	DIP-20	Octal edge trig. D-type flip-flop with 3-st. outputs	283670CK	SN74F521DW	.50	.382 .294
74F521	SOIC-20	8-bit identity comparator	282802CK	SN74F521N	.78	.66 .53
74F521	DIP-20	8-bit identity comparator	304961CK	SN74F541DW	.72	.55 .41
74F541	SOIC-20	Octal buffer/driver with 3-state outputs	282765CK	SN74F541N	.74	.56 .43
74F541	DIP-20	Octal buffer/driver with 3-state outputs	283611CK	SN74F543DW	.95	.80 .62
74F543	SOIC-24	Octal reg. Transceiver w/ 3-state outputs	283637CK	SN74F573DW	.43	.328 .248
74F543	DIP-24	Octal reg. Transceiver w/ 3-state outputs	282642CK	SN74F573N	.43	.328 .248
74F573	SOIC-20	Octal reg. Latch w/ 3-state outputs	283645CK	SN74F574DW	.43	.328 .304
74F573	DIP-20	Octal reg. Latch w/ 3-state outputs	282669CK	SN74F574N	.58	.437 .331
74F574	SOIC-20	D-type flip-flop with 3-state outputs				
74F574	DIP-20	D-type flip-flop with 3-state outputs				
74F579	DIP-20	8-bit bidirectional counter				

† Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Part No.	Cross Ref.	Jameco Value Offering		
		1	10	100
245235CK	74F257N	\$.30	\$.249	\$.187
287099CK	74F273N	.48	.415	.319
281463CK	74F299N	1.15	.93	.71
287494CK	74F373D	.40	.324	.244
287161CK	74F373N	.45	.398	.302
287486CK	74F374D	.39	.299	.227
287187CK	74F374N	.35	.274	.23
283696CK	74F521D	.46	.349	.269
282811CK	74F521N	.69	.58	.47
283653CK	74F541D	.66	.498	.378
282773CK	74F541N	.66	.498	.378
283629CK	74F543D	.86	.73	.59
245251CK	74F543N	.83	.70	.56
287478CK	74F573D	.39	.299	.198
287195CK	74F573N	.39	.299	.199
287460CK	74F574D	.39	.299	.198
287216CK	74F574N	.53	.398	.302
245260CK	74F579N	2.35	1.89	1.49

74LSXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	Renesas
LS	DIP	SN74LSXXXN	74HC(T)XXXN	DM74LSXXXN	SN74LSXXXN	HD74LSXXXP
	SOIC	SN74LSXXXD/DW	74HC(T)XXXM	DM74LSXXXM/WM	SN74LSXXXD/DW	—

74LS Series – Low Power Schottky Logic



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Base No.	Package	Description	Texas Instruments – Save 6-20%			
			Part No.	T.I. Product No.	1	10 100
74LS00	SOIC-14	Quad 2-input NAND gate	308582CK	SN74LS00B	\$.23	\$.197 \$.148
74LS00	DIP-14	Quad 2-input NAND gate	283725CK	SN74LS00N	.45	.364 .276
74LS02	SOIC-14	Quad 2-input NOR gate	308603CK	SN74LS02B	.45	.364 .276
74LS02	DIP-14	Quad 2-input NOR gate	283741CK	SN74LS02N	.43	.328 .248
74LS03	DIP-14	Quad 2-input NAND gate (O.C.)	283784CK	SN74LS03N	.45	.364 .276
74LS04	SOIC-14	Hex inverter	308611CK	SN74LS04B	.36	.302 .227
74LS04	DIP-14	Hex inverter	283792CK	SN74LS04N	.45	.364 .276
74LS05	SOIC-14	Hex inverter (O.C.)	308620CK	SN74LS05B	.35	.292 .219
74LS05	DIP-14	Hex inverter (O.C.)	283805CK	SN74LS05N	.45	.364 .276
74LS06	SOIC-14	Hex inverter buffer/driver (O.C.)	309067CK	SN74LS06B	.70	.59 .478
74LS06	DIP-14	Hex inverter buffer/driver (O.C.)	295304CK	SN74LS06N	.70	.59 .478
74LS07	SOIC-14	Hex buffer/driver (O.C. hi-voltage)	308638CK	SN74LS07B	.71	.61 .47
74LS07	DIP-14	Hex buffer/driver (O.C. hi-voltage)	295312CK	SN74LS07N	.60	.58 .46
74LS08	SOIC-14	Quad 2-input AND gate	308654CK	SN74LS08B	.30	.259 .194
74LS08	DIP-14	Quad 2-input AND gate	295401CK	SN74LS08N	.45	.364 .276
74LS09	SOIC-14	Quad 2-input AND gate (O.C.)	309083CK	SN74LS09B	.45	.364 .276
74LS09	DIP-14	Quad 2-input AND gate (O.C.)	295419CK	SN74LS09N	.56	.428 .322
74LS10	SOIC-14	Triple 3-input NAND gate				
74LS10	DIP-14	Triple 3-input NAND gate	295427CK	SN74LS10N	.45	.364 .276
74LS11	SOIC-14	Triple 3-input AND gate				
74LS11	DIP-14	Triple 3-input AND gate	295443CK	SN74LS11N	.45	.364 .275
74LS14	SOIC-14	Hex inverter Schmitt trigger	308849CK	SN74LS14B	.41	.327 .248
74LS14	DIP-14	Hex inverter Schmitt trigger	295460CK	SN74LS14N	.41	.328 .248

† Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

* 10 pcs. in 74LS series IC cabinet kit, pg 29 ** 20 pcs. in 74LS series IC cabinet kit, pg 29

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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74LS Series (Continued) – Low Power Schottky Logic



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Texas Instruments – Save 6-20%						
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74LS20	SOIC-14	Dual 4-input NAND gate				
74LS20	DIP-14	Dual 4-input NAND gate				
74LS21	DIP-14	Dual 4-input AND gate				
74LS27	DIP-14	Triple 3-input NOR gate				
74LS30	SOIC-14	8-input NAND gate				
74LS30	DIP-14	8-input NAND gate				
74LS32	SOIC-14	Quad 2-input OR gate				
74LS32	DIP-14	Quad 2-input OR gate				
74LS37	DIP-14	Quad 2-input NAND gate buffer				
74LS38	DIP-14	Quad 2-input NAND gate buffer (O.C.)				
74LS42	DIP-16	BCD-to-decimal decoder/driver				
74LS47	DIP-16	BCD to 7-seg. decoder/driver (O.C.)				
74LS48	DIP-16	BCD to 7-seg. decoder/driver				
74LS73	DIP-14	Dual JK flip-flop with clear, center VCC/GND				
74LS74	SOIC-14	Dual D flip-flop				
74LS74	DIP-14	Dual D flip-flop				
74LS75	SOIC-16	4-bit bi-stable latch				
74LS75	DIP-16	4-bit bi-stable latch				
74LS76	DIP-16	Dual JK flip-flop with preset and clear				
74LS83	DIP-16	4-bit binary full adder				
74LS85	SOIC-16	4-bit magnitude comparator				
74LS85	DIP-16	4-bit magnitude comparator				
74LS86	SOIC-14	Quad Exclusive-OR gate				
74LS86	DIP-14	Quad Exclusive-OR gate				
74LS90	SOIC-14	Decade counter				
74LS90	DIP-14	Decade counter				
74LS92	DIP-14	Divide-by-12 counter				
74LS93	SOIC-14	4-bit binary counter				
74LS93	DIP-14	4-bit binary counter				
74LS95	DIP-14	4-bit parallel-access shift register				
74LS107	DIP-14	Dual JK flip-flop with clear				
74LS109	SOIC-16	Dual JK pos. edge-trig. flip-flop				
74LS109	DIP-16	Dual JK pos. edge-trig. flip-flop				
74LS112	DIP-16	Dual JK neg. edge-trig. flip-flop				
74LS122	DIP-14	Retrig. mono. multivibrator comm. CLK				
74LS123	SOIC-16	Dual mono. multivibrator with clear				
74LS123	DIP-16	Dual mono. multivibrator with clear				
74LS125	SOIC-14	Quad 3-state buffer				
74LS125	DIP-14	Quad bus buffer neg. enable tri-state				
74LS126	SOIC-14	Quad bus buffer tri-state				
74LS126	DIP-14	Quad bus buffer tri-state				
74LS132	DIP-14	Quad 2-input NAND Schmitt trigger				
74LS136	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)				
74LS138	SOIC-16	3 to 8 decoder/demultiplexer				
74LS138	DIP-16	3 to 8 decoder/demultiplexer				
74LS139	SOIC-16	2 to 4 decoder/demultiplexer				
74LS139	DIP-16	2 to 4 decoder/demultiplexer				
74LS145	SOIC-16	BCD-to-decimal decoder/driver (O.C.)				
74LS145	DIP-16	BCD-to-decimal decoder/driver (O.C.)				
74LS148	DIP-16	8 to 3 priority encoder				
74LS151	SOIC-16	8-input multiplexer				
74LS151	DIP-16	8-input multiplexer				
74LS153	DIP-16	Dual 4-to-1 selector/multiplexer				
74LS154	DIP-24	4 to 16 line decoder/demultiplexer				
74LS155	DIP-16	Dual 2/4 demultiplexer				
74LS156	DIP-16	Dual 2/4 demultiplexer (O.C.)				
74LS157	SOIC-16	Quad 2/1 data selector				
74LS157	DIP-16	Quad 2/1 data selector				
74LS160	DIP-16	Decade counter with asynch. clear				

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* Minimum order 10 pieces				
Part No.	Cross Ref.	1	10	100
198459CK	74LS20M	.25	.222	.20
47095CK	74LS20N*	.28	.191	.185
47108CK	74LS21N	\$.28 .25	.218	.186
47378CK	74LS27N	.25	.21	.158
198467CK	74LS30M	*	.144	.13
47458CK	74LS30N*	.37	.30	.23
198475CK	74LS32M	.41	.332	.249
47466CK	74LS32N**	.29	.26	.23
47597CK	74LS37N	.54	.46	.34
47693CK	74LS38N	.33	.224	.202
47773CK	74LS42N	.76	.65	.54
47790CK	74LS47N*	.72	.52	.45
47811CK	74LS48N	4.99	4.24	3.18
47992CK	74LS73N*	1.03	.84	.64
198491CK	74LS74M	.41	.332	.252
48004CK	74LS74N**	.36	.25	.22
198504CK	74LS75M	.26	.233	.21
48021CK	74LS75N*	.86	.73	.66
48039CK	74LS76N	.83	.68	.61
48063CK	74LS83N	1.49	1.35	1.19
198512CK	74LS85M	.37	.333	.30
48071CK	74LS85N*	.42	.382	.345
198521CK	74LS86M	\$.39 .33	.282	.211
48098CK	74LS86N*	.35	.30	.22
198539CK	74LS90M	\$.70 .34	.303	.273
48119CK	74LS90N*	.75	.67	.59
48143CK	74LS92N	.99	.76	.63
198547CK	74LS93M	\$.56 .31	.278	.25
48151CK	74LS93N*	.89	.79	.70
48178CK	74LS95N	1.05	.91	.79
46412CK	74LS107N	.72	.51	.36
309112CK	74LS109M	.59	.448	.34
46421CK	74LS109N	.73	.58	.43
46447CK	74LS112N	.39	.299	.227
46471CK	74LS122N	.46	.35	.27
198555CK	74LS123M	.55	.423	.259
46480CK	74LS123N*	.45	.35	.27
243168CK	74LS125AM	.44	.37	.28
46501CK	74LS125N*	.33	.282	.26
309139CK	74LS126AM	.46	.349	.265
46527CK	74LS126N	.37	.345	.253
46551CK	74LS132N	.49	.369	.298
46586CK	74LS136N	.53	.40	.30
198563CK	74LS138M	\$.42 .36	.267	.218
46607CK	74LS138N**	.45	.35	.26
309155CK	74LS139AM	.37	.299	.265
46623CK	74LS139N*	.37	.291	.239
309171CK	74LS145M	.34	.291	.269
46666CK	74LS145N	.73	.55	.423
46682CK	74LS148N	.79	.68	.55
198571CK	74LS151M	.31	.26	.195
46703CK	74LS151N*	.45	.349	.269
46720CK	74LS153N	.41	.35	.26
46738CK	74LS154N	5.15	4.59	3.69
46754CK	74LS155N*	.85	.72	.54
46762CK	74LS156N	.35	.282	.212
198580CK	74LS157M	.35	.30	.225
46771CK	74LS157N*	.45	.40	.33
46800CK	74LS160N	2.49	2.39	2.29

† Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi
 * Blue Part No. = Limited Quantity Available *10 pcs. in 74LS series IC cabinet kit, pg 29 **20 pcs. in 74LSeries IC cabinet kit, pg 29

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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Quantity SAVE



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			Texas Instruments – Save 6-20%			
Base No.	Package	Description	Part No.	T.I. Product No.	1	10 100
74LS161	DIP-16	Synch 4-bit counter	301647CK	SN74LS161AN	.50	.382 .29
74LS163	DIP-16	Fully synch. 4-bit counter	301663CK	SN74LS163AN	.50	.382 .29
74LS164	SOIC-14	8-bit serial shift register	309180CK	SN74LS164D	.50	.414 .373
74LS164	DIP-14	8-bit serial shift register	301671CK	SN74LS164N	.47	.382 .29
74LS165	DIP-16	8-bit serial shift register, parallel load	301680CK	SN74LS165AN	.45	.364 .275
74LS166	DIP-16	8-bit shift register, parallel load	301727CK	SN74LS166AN	.79	.60 .455
74LS169	DIP-16	Synch. binary up/down counter	301735CK	SN74LS169BN	.65	.491 .373
74LS173	DIP-16	4-bit D-type reg. tri-state	301743CK	SN74LS173AN	.91	.90 .89
74LS174	DIP-16	Hex D flip-flop with clear	301760CK	SN74LS174N	.49	.328 .29
74LS175	DIP-16	Quad D flip-flop with clear	301778CK	SN74LS175N	.29	.246 .23
74LS181	DIP-24	Arithmetic logic unit/function generator	301786CK	SN74LS181N	4.19	3.54 2.56
74LS190	DIP-16	Synchronous up/down counter				
74LS191	DIP-16	Up/down binary counter	301815CK	SN74LS191N	.58	.482 .455
74LS192	DIP-16	Decade up/down counter with clear				
74LS193	SOIC-16	Binary up/down counter with clear				
74LS193	DIP-16	Binary up/down counter with clear	301831CK	SN74LS193N	.64	.53 .486
74LS194	DIP-16	4-bit bi-directional shift register	301858CK	SN74LS194AN	.81	.68 .55
74LS195	DIP-16	4-bit parallel-access shift register				
74LS221	SOIC-16	Dual monostable multivibrator	308988CK	SN74LS221D	.69	.58 .50
74LS221	DIP-16	Dual mono. multivibrator Schmitt trigger	308283CK	SN74LS221N	.36	.29 .276
74LS240	SOIC-20	Octal invert. line driver tri-state	309008CK	SN74LS240DW	.42	.356 .275
74LS240	DIP-20	Octal invert. line driver tri-state	308291CK	SN74LS240N	.45	.367 .356
74LS241	DIP-20	Octal bus/line driver tri-state	308304CK	SN74LS241N	.40	.328 .304
74LS244	SOIC-20	Octal driver tri-state	309016CK	SN74LS244DW	.43	.367 .281
74LS244	DIP-20	Octal driver tri-state	308312CK	SN74LS244N	.48	.40 .331
74LS245	SOIC-20	Octal bus transceiver tri-state	309024CK	SN74LS245DW	.46	.40 .302
74LS245	DIP-20	Octal bus transceiver tri-state	308321CK	SN74LS245N	.58	.437 .378
74LS247	DIP-16	BCD to 7-segment decoder/driver (O.C.)	308347CK	SN74LS247N	1.05	.87 .70
74LS251	DIP-16	8-channel multiplexer tri-state	308355CK	SN74LS251N	.59	.437 .351
74LS257	DIP-16	Quad 2-input multiplexer tri-state	308363CK	SN74LS257BN	.75	.57 .432
74LS259	DIP-16	8-bit addressable latch	308371CK	SN74LS259BN	.51	.391 .359
74LS266	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)	308380CK	SN74LS266N	.72	.60 .54
74LS273	SOIC-20	Octal D-type flip-flop with clear	309032CK	SN74LS273DW	.71	.54 .34
74LS273	DIP-20	Octal D-type flip-flop with clear	308398CK	SN74LS273N	.58	.437 .331
74LS279	DIP-16	Quad set-reset latches	308401CK	SN74LS279AN	.55	.428 .368
74LS283	DIP-16	4-bit binary full add with fast carry	308435CK	SN74LS283N	.58	.56 .51
74LS299	DIP-20	8-bit universal shift/storage register	308427CK	SN74LS299N	1.05	.96 .54
74LS365	DIP-16	Hex buffer with logical OR tri-state	308443CK	SN74LS365AN	.86	.73 .59
74LS367	DIP-16	Hex buffer tri-state	308451CK	SN74LS367AN	.47	.382 .35
74LS368	DIP-16	Hex bus driver w/ tri-state	309278CK	SN74ALS368AN	.42	.364 .34
74LS373	SOIC-20	Octal D flip-flop tri-state	309041CK	SN74LS373DW	.45	.34 .258
74LS373	DIP-20	Octal D flip-flop tri-state	308460CK	SN74LS373N	.49	.421 .378
74LS374	SOIC-20	Octal D F/F edge-trig tri-state	309059CK	SN74LS374DW	.42	.356 .27
74LS374	DIP-20	Octal D F/F edge-trig tri-state	308478CK	SN74LS374N	.49	.421 .367
74LS377	DIP-20	Octal D register common enable	308486CK	SN74LS377N	.81	.68 .55
74LS390	DIP-16	Dual 4-bit decade counter	308494CK	SN74LS390N	.77	.64 .53
74LS393	SOIC-16	Dual 4-bit binary counter				
74LS393	DIP-14	Dual 4-bit binary counter	308507CK	SN74LS393N	.57	.455 .432
74LS423	DIP-14	Retrig monostable multivibrator	309294CK	SN74LS423N	1.05	.87 .76
74LS540	DIP-20	Octal invert. buffer/line driver tri-state	308515CK	SN74LS540N	.76	.64 .515
74LS541	SOIC-20	Octal buffer/line driver tri-state	309227CK	SN74LS541DW	.60	.455 .414
74LS541	DIP-20	Octal buffer/line driver tri-state	308523CK	SN74LS541N	.50	.41 .368
74LS573	DIP-20	Octal D-type F/F latch tri-state				
74LS574	DIP-20	Octal D-type F/F edge-trig. tri-state				
74LS590	DIP-16	8-bit binary counter w/o reg. tri-state	308531CK	SN74LS590N	4.99	4.05 3.65
74LS595	DIP-16	8-bit serial-to-parallel shift reg. tri-state	308540CK	SN74LS595N	5.69	4.82 3.62
74LS645	DIP-20	Octal bus transceiver tri-state (O.C.)	308558CK	SN74LS645-1N	1.79	1.44 1.10
74LS682	DIP-20	8-bit magnitude comparator	309251CK	SN74LS682N	1.19	.956 .73
74LS688	DIP-20	8-bit magnitude comparator	308574CK	SN74LS688N	1.39	1.15 .92

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Part No.	Cross Ref.	1	10	100
46818CK	74LS161N	\$.46	\$.349	\$.265
46842CK	74LS163N	.46	.349	.265
309198CK	74LS164M	.46	.349	.265
46851CK	74LS164N	.43	.36	.27
46877CK	74LS165N	.37	.34	.277
46885CK	74LS166N	.71	.54	.41
46906CK	74LS169N	.61	.47	.35
46922CK	74LS173N	.82	.81	.80
46931CK	74LS174N*	.46	.299	.265
46957CK	74LS175N*	.26	.249	.21
46973CK	74LS181N	2.15	1.80	1.22
46990CK	74LS190N	2.95	2.65	2.55
47001CK	74LS191N	.53	.44	.42
47010CK	74LS192N	3.95	3.59	3.25
198598CK	74LS193M	1.00	.85	.64
47036CK	74LS193N*	.59	.49	.45
47052CK	74LS194N	.74	.63	.50
47061CK	74LS195N	.93	.80	.72
243176CK	74LS221M	.64	.54	.405
47124CK	74LS221N	.33	.267	.25
198619CK	74LS240M	\$0.39	.32	.287 .255
47141CK	74LS240N*	.42	.34	.33
47167CK	74LS241N	.36	.299	.23
198627CK	74LS244M	\$0.40	.30	.282 .211
47183CK	74LS244N*	.44	.37	.28
198635CK	74LS245M	\$0.44	.39	.33 .252
47212CK	74LS245N*	.53	.40	.35
47247CK	74LS247N	.94	.80	.62
47271CK	74LS251N	.53	.398	.299
47298CK	74LS257N	.69	.53	.40
47327CK	74LS259N	.47	.357	.328
47360CK	74LS266N	.65	.498	.378
198643CK	74LS273M	\$0.60	.59	.45 .338
47386CK	74LS273N*	.45	.357	.276
47407CK	74LS279N	.50	.41	.319
47423CK	74LS283N	.53	.52	.39
47440CK	74LS299N	.93	.79	.59
47546CK	74LS365N	.77	.66	.54
47562CK	74LS367N	.42	.38	.285
309286CK	74ALS368AN	.39	.332	.311
198651CK	74LS373M	\$0.42	.35	.27 .198
47600CK	74LS373N*	.45	.39	.35
198660CK	74LS374M	\$0.39	.35	.297 .225
47634CK	74LS374N*	.45	.39	.34
47669CK	74LS377N	.37	.24	.18
47722CK	74LS390N	.69	.59	.44
243184CK	74LS393M	.79	.60	.50
47731CK	74LS393N	.54	.46	.34
309307CK	74LS423AN	.95	.79	.69
47861CK	74LS540N	.69	.59	.47
309235CK	74LS541WM	.55	.415	.378
47870CK	74LS541N	.46	.39	.29
64418CK	74LS573N	2.05	1.85	1.55
64426CK	74LS574N	2.15	1.89	1.69
47909CK	74LS590N	4.55	3.65	2.74
103974CK	74LS595N	5.25	4.46	3.35
47950CK	74LS645N	1.59	1.31	1.00
309260CK	74LS682N	1.05	.86	.66
47984CK	74LS688N	1.25	1.05	.85

†Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

*10 pcs. in 74LS series IC cabinet kit, pg 29

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

74ALS Series

DIP  SOIC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
309868CK	74ALS00AM	SOIC-14	Quad 2-input NAND gates	.22	.191	.176
245294CK	74ALS00AN	DIP-14	Quad 2-input NAND gates	.39	.30	.23
309905CK	74ALS02AM	SOIC-14	Quad 2-input NOR gates	.31	.274	.202
43959CK	74ALS02N	DIP-14	Quad 2-input NOR gates	.30	.27	.22
309948CK	74ALS04BM	SOIC-14	Hex inverters	.31	.274	.198
245307CK	74ALS04BN	DIP-14	Hex inverters	.30	.26	.195
309972CK	74ALS05AM	SOIC-14	Hex inverters w/ open collector outputs	.31	.274	.202
245286CK	74ALS05AN	DIP-14	Hex inverters w/ open collector outputs	.38	.33	.23
310009CK	74ALS08M	SOIC-14	Quad 2-input AND gates	.31	.274	.198
43983CK	74ALS08N	DIP-14	Quad 2-input AND gates	.28	.25	.21
310025CK	74ALS10AM	SOIC-14	Triple 3-input NAND gates	.27	.257	.227
245315CK	74ALS10AN	DIP-14	Triple 3-input NAND gates	.45	.38	.285
310041CK	74ALS11AM	SOIC-14	Triple 3-input AND gates	.31	.274	.202
245323CK	74ALS11AN	DIP-14	Triple 3-input AND gates	.43	.38	.28
310068CK	74ALS12M	SOIC-14	Triple 3-input NOR gates	.33	.282	.218
63503CK	74ALS12N	DIP-14	Triple 3-input NOR gates	.26	.22	.165
245796CK	74ALS30AN	DIP-14	8-input NAND gate	.42	.36	.27
310084CK	74ALS32M	SOIC-14	Quad 2-input OR gates	.27	.208	.156
44134CK	74ALS32N	DIP-14	Quad 2-input OR gates	.40	.32	.23
310113CK	74ALS74AM	SOIC-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.21	.166	.143
245892CK	74ALS74AN	DIP-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.39	.30	.225
310156CK	74ALS86M	SOIC-14	Quad 2-input exclusive OR gates	.37	.299	.227
44214CK	74ALS86N	DIP-14	Quad 2-input exclusive OR gates	.25	.21	.17
310199CK	74ALS138M	SOIC-16	3 to 8 line decoder/demultiplexer	.46	.349	.269
309614CK	74ALS138N	DIP-16	3 to 8 line decoder/demultiplexer	.46	.349	.265
310228CK	74ALS139M	SOIC-16	2 to 4 line decoder/demultiplexer	.44	.349	.297
309649CK	74ALS139N	DIP-16	2 to 4 line decoder/demultiplexer	.59	.448	.336
245754CK	74ALS151N	DIP-16	1 of 8 line data selector/multiplexer	.48	.37	.29
309761CK	74ALS161BN	DIP-16	4-bit decade/binary counter	.42	.34	.283
309702CK	74ALS174N	DIP-8	Quad D-type flip-flops w/ clear	.53	.398	.302
309729CK	74ALS175N	DIP-16	Quad D-type flip-flops w/ clear	.52	.398	.302
310261CK	74ALS240AM	SOIC-20	Octal invert. 3-state bus drivers	.39	.315	.294
245753CK	74ALS240AN	DIP-20	Octal invert. 3-state bus drivers	.63	.48	.36
310295CK	74ALS244AM	SOIC-20	Octal 3-state bus drivers	.59	.448	.336
245761CK	74ALS244AN	DIP-20	Octal 3-state bus drivers	.53	.41	.30
310332CK	74ALS245AM	SOIC-20	Octal 3-state bus transceivers	.59	.448	.336
245770CK	74ALS245AN	DIP-20	Octal 3-state bus transceivers	.50	.42	.315
44100CK	74ALS251N	DIP-16	3-st. 1 of 8 line data selector/multiplexer	.58	.49	.37
245788CK	74ALS258N	DIP-20	3-st. quad 1 of 2 line data selector/multip. (inverting)	.67	.57	.43
310359CK	74ALS273M	SOIC-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.71	.60	.454
44118CK	74ALS273N	DIP-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.62	.53	.40
310421CK	74ALS373M	SOIC-20	Octal D-type 3-st. transparent latches	.59	.448	.34
44142CK	74ALS373N	DIP-20	Octal D-type 3-st. transparent latches	.34	.29	.22
310455CK	74ALS374M	SOIC-20	Octal 3-st. D-type edge-trig. flip-flops	.41	.357	.328
245809CK	74ALS374AN	DIP-20	Octal 3-st. D-type edge-trig. flip-flops	.29	.25	.188
310471CK	74ALS520M	SOIC-20	8-bit comparator	1.12	.90	.77
245817CK	74ALS520N	DIP-20	8-bit comparator	.66	.56	.42
245825CK	74ALS521N	DIP-20	8-bit comparator with pullup resistors	.66	.56	.49
245833CK	74ALS533N	DIP-20	Octal D-type transparent latches w/ 3-st. outputs	.66	.56	.42
310535CK	74ALS540M	SOIC-20	Octal inverting buffers & line driv. w/ 3-st. outputs	1.22	1.08	.87
245841CK	74ALS540N	DIP-20	Octal inverting buffers & line driv. w/ 3-st. outputs	.80	.68	.51
310551CK	74ALS541M	SOIC-20	Octal buffers and line drivers w/ 3-st. outputs	.74	.62	.504

74LS Series IC Kit

SAVE \$63



Includes:
 20-drawer component cabinet (319599CK),
 20 clear plastic drawers (319601CK),
 20 clear dividers (319610CK), pg 296 and
 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374
20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961CK	420 pcs. 74LS IC kit	6.7	\$119.95	\$107.95
130391CK	Refill for 84961CK (420 pcs.)	2.0	99.99	89.99

74ALS Series (Continued)

DIP  SOIC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
245850CK	74ALS541N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	.91	.77	.58
310578CK	74ALS573BM	SOIC-20	Octal D-type transp. latches w/ 3-st. outputs	.59	.448	.336
245868CK	74ALS573BN	DIP-20	Octal D-type transp. latches w/ 3-st. outputs	.43	.36	.29
310623CK	74ALS574AM	SOIC-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.59	.448	.336
245876CK	74ALS574AN	DIP-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.66	.56	.419
310640CK	74ALS645AM	SOIC-20	Octal bus transceivers	.74	.60	.546
245884CK	74ALS645AN	DIP-20	Octal bus transceivers	.79	.67	.50
309796CK	74ALS688N	DIP-20	8-bit identity comparator	2.95	2.39	1.88

Jameco's 3.3 Volt Logic

74LVC Series

TSSOP  SOIC 

For 3.3V power Supplies. This 3.3V logic series is offered in both 8 and 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313429CK	74LVC00AD	SOIC-14	Quad 2-input NAND gates	.38	.299	.21
313470CK	74LVC04AD	SOIC-14	Hex inverters	.38	.307	.21
313488CK	74LVC08AD	SOIC-14	Quad 2-input AND gates	.38	.307	.21
313496CK	74LVC14AD	SOIC-14	Hex inverters w/ Schmitt triggers	.38	.307	.21
313517CK	74LVC32AD	SOIC-14	Quad 2-input OR gates	.38	.307	.21
313533CK	74LVC74AD	SOIC-14	Dual D-type flip-flops w/ set/reset	.38	.299	.21
313576CK	74LVC125AD	SOIC-14	Quad bus buffers w/ 3-st.	.27	.216	.185
313613CK	74LVC138AD	SOIC-16	3-to-8 line decoder/demultiplexer	.37	.299	.227
313621CK	74LVC157AD	SOIC-16	2-to-1 line decoder/demultiplexer	.37	.299	.227
313648CK	74LVC244AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.252
313630CK	74LVC245AD	SOIC-20	4-bit sync binary counter	.41	.332	.252
313584CK	74LVC374AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313541CK	74LVC541AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.305
313461CK	74LVC573AD	SOIC-20	Octal D-type latches w/ 3-st.	.41	.332	.252
313824CK	74LVC574AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313947CK	74LVC16244AT	TSSOP-48	16-bit buffer/driver w/ 3-st.	.95	.79	.71
313955CK	74LVC16245AT	TSSOP-48	16-bit bus transceiver w/ 3-st.	.95	.79	.71
313963CK	74LVC16244AT	TSSOP-48	16-bit buffer/driver w/ 3-st. w/ damp. res.	.95	.79	.64

74ALVC Series

TSSOP  SOIC 

Ideal for Memory Interfacing. This 3.3V logic series is offered in both 8 & 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313980CK	74ALVC00D	SOIC-14	Quad 2-input NAND gates	.33	.266	.202
314309CK	74ALVC00T	TSSOP-14	Quad 2-input NAND gates	.33	.265	.202
314000CK	74ALVC04D	SOIC-14	Hex inverters	.33	.266	.202
314229CK	74ALVC08D	SOIC-14	Quad 2-input AND gates	.33	.266	.202
314341CK	74ALVC08T	TSSOP-14	Quad 2-input AND gates	.33	.265	.20
314333CK	74ALVC32T	TSSOP-14	Quad 2-input OR gates	.37	.29	.227
314253CK	74ALVC125	SOIC-14	Quad bus buffers w/ 3-state	.43	.324	.244
314456CK	74ALVC16244T	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.04	.84	.64
314499CK	74ALVC16245T	TSSOP-48	16-bit bus transceivers w/ 3-state	1.04	.84	.64
314528CK	74ALVC16373T	TSSOP-48	16-bit D-type latches w/ 3-state	1.04	.84	.64
314595CK	74ALVC16374T	TSSOP-48	16-bit D-type flip-flops w/ 3-state	1.04	.84	.64
314632CK	74ALVC164245T	TSSOP-48	16-bit level-shifting transceivers	1.12	.95	.77

4000 Series

DIP  SOIC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562CK	CD4001N**	DIP-14	Quad 2-input NOR gates	.32	.264	.209
197261CK	CD4001M	SOIC-14	Quad 2-input NOR gates	.28	.23	.18
12597CK	CD4007N	DIP-14	Dual comp. pair with inverter	.29	.25	.22
12634CK	CD4011N**	DIP-14	Quad 2-input NAND gates	.29	.24	.19
197270CK	CD4011M	SOIC-14	Quad 2-input NAND gates	* .158	.119	
12677CK	CD4013N**	DIP-14	Dual D flip-flops with set/reset	.35	.25	.22

*20 pcs. in 4000 series IC cabinet kit, pg 30

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4000 & 7400 Standard Logic



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Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
197288CK	CD4013M	SOIC-14	Dual D flip-flops with set/reset	.30	\$.257	\$.185
12706CK	CD4015N*	DIP-16	Dual 4-stage static shift registers	.31	.249	.207
12722CK	CD4016N*	DIP-14	Quad bilateral switches	.28	.24	.18
12749CK	CD4017N*	DIP-16	Decade counter/divider	.39	.35	.31
197296CK	CD4017M	SOIC-16	Decade counter/divider	.36	.31	.233
12773CK	CD4018N	DIP-16	Presetable divide-by-N counter	.27	.232	.174
12802CK	CD4020N*	DIP-16	14-stage binary/ripple counter	.49	.39	.29
197309CK	CD4020M	SOIC-16	14-stage binary/ripple counter	.51	.43	.323
12829CK	CD4021N	DIP-16	8-stage static shift register	.40	.34	.23
54666CK	CD4022N	DIP-16	Div. by 8-cntr./driver w/ 8-decoded outputs	.32	.30	.27
12845CK	CD4023N*	DIP-14	Triple 3-input NAND gates	.36	.307	.207
12853CK	CD4024N*	DIP-14	7-stage binary counter	.39	.299	.227
353560CK	CD4026N	DIP-16	Decade counter/divider	.62	.52	.45
12888CK	CD4027N*	DIP-16	Dual JK master-slave flip-flops	.27	.22	.16
197317CK	CD4027M	SOIC-16	Dual JK master-slave flip-flops	.47	.365	.274
12909CK	CD4028N	DIP-16	BCD-to-decimal decoder	.33	.278	.194
12925CK	CD4029N	DIP-16	Presetable up/down counter	.32	.282	.248
197325CK	CD4029M	SOIC-16	Presetable up/down counter	.40	.34	.255
12950CK	CD4040N*	DIP-16	12-stage binary/ripple counter	.32	.27	.18
197333CK	CD4040M	SOIC-16	12-stage binary/ripple counter	.51	.43	.323
12984CK	CD4042N	DIP-16	Quad clocked D latches	.27	.232	.174
12992CK	CD4043N	DIP-16	Quad NOR R-S latches tri-state	\$0.30	.30	.249
13004CK	CD4044N	DIP-16	Quad 3-state NAND R-S latches tri-state	.36	.32	.26
13012CK	CD4046N*	DIP-16	Micropower phase-locked loop	.30	.27	.23
13039CK	CD4047N	DIP-14	Monostable/astable multivibrator	.34	.279	.256
13055CK	CD4049N**	DIP-16	Hex/buffer/converters (inverting)	.29	.24	.21
197341CK	CD4049M	SOIC-16	Hex/buffer/converters (inverting)	\$0.25	.21	.166
13071CK	CD4050N*	DIP-16	Hex/buffer/converters (non-inverting)	.30	.244	.235
197350CK	CD4050M	SOIC-16	Hex/buffer/converters (non-inverting)	.31	.26	.195
13098CK	CD4051N*	DIP-16	Single 8-channel multi./demultiplexer	.45	.39	.35
197368CK	CD4051M	SOIC-16	Single 8-channel multi./demultiplexer	\$0.25	.21	.17
13119CK	CD4052N	DIP-16	Diff. 4-channel multi./demultiplexer	.31	.26	.195
13127CK	CD4053N	DIP-16	Triple 2-channel multi./demultiplexers	.24	.20	.15
13151CK	CD4060N	DIP-16	14-stage ripple-carry binary	.41	.33	.25
13186CK	CD4066N**	DIP-14	Quad bilateral switches	.35	.25	.19
197376CK	CD4066M	SOIC-14	Quad bilateral switches	.31	.232	.151
13215CK	CD4067N	DIP-24	16-channel analog multi./demultiplexer	.85	.72	.54
13231CK	CD4069N*	DIP-14	Hex inverters (74C04)	.30	.24	.17
197384CK	CD4069M	SOIC-14	Hex inverters (74C04)	.22	.167	.109
13258CK	CD4070N*	DIP-14	Quad exclusive-OR gates (74C86)	.28	.24	.17
87847CK	CD4070M*	SOIC-14	Quad exclusive-OR gates	.28	.24	.17
13274CK	CD4071N*	DIP-14	Quad 2-input OR gates	.28	.271	.244
197392CK	CD4071M	SOIC-14	Quad 2-input OR gates	.22	.19	.143
13354CK	CD4081N*	DIP-14	Quad 2-input AND gates	.28	.26	.24
197405CK	CD4081M	SOIC-14	Quad 2-input AND gates	.20	.166	.151
13400CK	CD4093N*	DIP-14	Quad 2-input NANDs Schmitt trigger	.29	.25	.19
197413CK	CD4093M	SOIC-14	Quad 2-input NANDs Schmitt trigger	.28	.209	.157
13426CK	CD4094N	DIP-16	8-stage shift-and-store bus register	\$0.41	.33	.284
13434CK	CD4098N	DIP-16	CMOS/MOS dual mono. multivibrator	\$0.39	.26	.24
13442CK	CD4099N	DIP-16	8-bit addressable latch	.28	.24	.18
13469CK	CD4503N	DIP-16	Tri-state hex buffers (74C367) 80C97	\$0.28	.25	.22

*10 pcs. in 4000 series IC cabinet kit, below **20 pcs. in 4000 series IC cabinet kit, below
♣ Refurbished = Backed by Jameco

4000 Series CMOS IC Kit

SAVE \$28

Includes:

- 20-drawer component cabinet (319599CK),
- 20 clear plastic drawers (319601CK),
- 20 clear dividers (319610CK), pg 296 and
- 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584
20 each: CD4001, CD4011, CD4013, CD4049, CD4056

Part No.	Description	Wt. (lbs.)	1	10
84970CK	300 pcs. 4000 series CMOS IC kit	6.1	\$79.95	\$71.95
130403CK	Refill for 84970CK (300 pcs.)	1.4	58.95	52.95



84970CK

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
13485CK	CD4510N*	DIP-16	BCD up/down counter	.39	\$.30	\$.23
13493CK	CD4511N*	DIP-16	BCD to 7-seg. latch/decoder/driver	.69	.59	.49
197421CK	CD4511M	SOIC-16	BCD to 7-seg. latch/decoder/driver	.39	.36	.32
13514CK	CD4512N	DIP-16	8-channel data selector	.45	.365	.277
13522CK	CD4514N	DIP-24	4-bit latch/4-16 line decoder	.94	.79	.64
13549CK	CD4516N	DIP-16	Binary up/down counter	.50	.40	.30
13565CK	CD4518N	DIP-16	Dual BCD up counters	.26	.25	.23
13581CK	CD4520N	DIP-16	Dual binary up counters	.33	.25	.20
13590CK	CD4522N	DIP-16	Program. BCD divide-by-N counter	.30	.241	.192
13602CK	CD4526N	DIP-16	Divide-by-N counter (binary)	.52	.473	.355
13611CK	CD4528N	DIP-16	Dual monostable multivibrators	1.08	.924	.693
13653CK	CD4538N*	DIP-16	Dual precision monostable multivibrators	.44	.37	.28
197430CK	CD4538M	SOIC-16	Dual precision monostable multivibrators	\$0.43	.33	.28
13688CK	CD4541N	DIP-14	Oscillator/programmable timer	.30	.298	.241
13696CK	CD4543N*	DIP-16	BCD to 7-segment decoder (LCD)	.59	.45	.29
13709CK	CD4553N	DIP-16	3-digit BCD counter	2.95	2.66	2.39
354600CK	CD4555N	DIP-16	Dual 1-4 decoder/demultiplexers (H.O.)	.31	.274	.227
354618CK	CD4556N	DIP-16	Dual 1-4 decoder/demultiplexers (L.O.)	.46	.349	.265
13768CK	CD4584N*	DIP-14	Hex Schmitt triggers	.39	.35	.29
197448CK	CD4584M	SOIC-14	Hex Schmitt triggers	.28	.25	.23
44257CK	CD40106N	DIP-14	Hex inverters Schmitt trigger (74C14)	.49	.465	.288
354589CK	CD40109N	DIP-16	Quad L to H volt. level shifters	.51	.415	.378

*10 pcs. in 4000 series IC cabinet kit, below

7400 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979CK	7400N**	DIP-14	Quad 2-input NAND gates	.69	\$.59	\$.48
49007CK	7401N	DIP-14	Quad 2-input NAND gates (O.C.)	.59	.57	.54
49015CK	7402N*	DIP-14	Quad 2-input NOR gates	.75	.62	.495
49040CK	7404N**	DIP-14	Hex inverters	.65	.53	.48
49074CK	7405N*	DIP-14	Hex inverters (O.C.)	.69	.54	.49
49091CK	7406N**	DIP-14	Hex inverter buffer/drivers (O.C.)	.52	.45	.40
49120CK	7407N*	DIP-14	Hex buffer/drivers (O.C.)	.46	.41	.36
49146CK	7408N*	DIP-14	Quad 2-input AND gates	.93	.69	.53
49189CK	7410N*	DIP-14	Triple 3-input NAND gates	.44	.40	.29
295777CK	7411N	DIP-16	Triple 3-input AND gates	1.09	.98	.88
49402CK	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger	1.25	1.12	1.01
49437CK	7414N*	DIP-14	Hex inverters Schmitt trigger	.65	.59	.55
49630CK	7416N*	DIP-14	Hex inverter buffer/drivers (O.C.)	.57	.48	.36
49728CK	7417N*	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	.91	.77	.58
50008CK	7420N*	DIP-14	Dual 4-input NAND gates	.62	.57	.50
50083CK	7425N	DIP-14	Dual 4-input NOR gates with strobe	.78	.75	.72
50139CK	7427N	DIP-14	Triple 3-input NOR gates	.68	.58	.43
50198CK	7428N	DIP-14	Quad 2-input NOR buffers	.76	.65	.48
50227CK	7430N*	DIP-14	8-input NAND gate	.62	.53	.396
50235CK	7432N*	DIP-14	Quad 2-input OR gates	.81	.70	.62
50315CK	7438N*	DIP-14	Quad 2-input NAND buffers (O.C.)	.60	.51	.46
50358CK	7440N	DIP-14	Dual 4-input NAND buffers	.55	.47	.35
50374CK	7442N	DIP-16	BCD-to-decimal decoder	1.39	1.12	.92
50403CK	7445N	DIP-16	BCD-to-decimal decoder/driver	1.29	1.16	1.00
50411CK	7446N	DIP-16	BCD-to-7 segment decoder/driver (H.O.)	2.09	1.95	1.89
50420CK	7447N*	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99
50518CK	7470N*	DIP-14	Edge-triggered JK flip-flop	.83	.79	.76
50526CK	7472N	DIP-14	AND gated JK master/slave flip-flop	1.95	1.67	1.25
50534CK	7473N	DIP-14	Dual JK flip-flops with clear	1.33	1.13	.84
50551CK	7474N**	DIP-14	Dual D flip-flops	.65	.54	.429
50577CK	7475N	DIP-16	4-bit bi-stable latch	2.95	2.75	2.49
50593CK	7476N	DIP-16	Dual JK flip-flops with preset and clear	2.95	2.65	2.39
50631CK	7483N	DIP-16	4-bit binary full adder	1.55	1.35	1.10
50657CK	7485N*	DIP-16	4-bit magnitude comparator	1.09	.87	.64
50665CK	7486N	DIP-14	Quad exclusive-OR gates	1.39	1.05	.88
50681CK	7489N	DIP-16	64-bit RAM P 50ns	3.85	3.50	3.28
50690CK	7490N	DIP-14	Decade counter	1.49	1.27	.95
50737CK	7492N	DIP-14	Divide-by-12 counter	1.49	1.29	.97
50745CK	7493N	DIP-14	4-bit binary counter	1.49	1.34	1.19
50770CK	7495N*	DIP-14	4-bit parallel-access shift reg. (K155N)	.99	.86	.57

*10 pcs. in 7400 series IC cabinet kit, pg 31 **20 pcs. in 7400 series IC cabinet kit, pg 31

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

7400 Series (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
50796CK	7497N	DIP-16	Synch. 6-bit binary rate multipliers	\$2.69	\$2.32	\$1.71
49234CK	74107N*	DIP-14	Dual JK flip-flop with clear	.52	.44	.39
49293CK	74116N	DIP-24	Dual 4-bit latches with clear	2.15	1.82	1.38
49322CK	74121N	DIP-14	Monostable multivibrator	1.25	1.15	1.00
49357CK	74123N*	DIP-16	Dual retriggerable mono. multivibrator	1.25	1.20	.99
49373CK	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.19	1.09	.95
49411CK	74132N*	DIP-14	Quad 2-input NAND Schmitt trigger	1.29	.99	.70
49496CK	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79
49509CK	74150N	DIP-24	16 to 1 line multiplexer	2.15	1.92	1.71
49525CK	74151N*	DIP-16	8-input multiplexer	.75	.63	.472
49550CK	74153N*	DIP-16	Dual 4/1 data selector/multiplexer	.84	.62	.429
49568CK	74154N	DIP-24	4 to 16 line decoder/demultiplexer	2.25	1.95	1.75
49605CK	74157N*	DIP-16	Quad 2/1 data selector	.97	.82	.62
49648CK	74160N*	DIP-16	Decade counter with asynch. clear	.52	.46	.41
49664CK	74161N	DIP-16	Synchronous 4-bit counter w/ direct clear	.77	.69	.55
49672CK	74163N	DIP-16	Fully synchronous 4-bit counter	.89	.76	.57
49681CK	74164N	DIP-14	8-bit serial shift register	.94	.79	.59
49699CK	74165N	DIP-16	8-bit serial shift register, parallel load	1.09	.92	.69
49779CK	74174N*	DIP-16	Hex D-type flip-flop with clear	1.09	.92	.69
49795CK	74175N*	DIP-16	Quad D-type flip-flop with clear	.94	.79	.71
49832CK	74180N	DIP-14	9-bit odd/even parity generator/checker	2.89	2.46	1.84
49841CK	74181N	DIP-24	Arithmetic logic unit/function generator	3.59	3.25	2.93
49883CK	74189N	DIP-16	64-bit RAM tri-state (DM8599N)	3.39	2.89	2.17
49904CK	74191N	DIP-16	Binary up/down counter	2.05	1.73	1.30
49912CK	74192N	DIP-16	Decade up/down counter with clear	3.69	3.39	3.19
49939CK	74193N	DIP-16	Binary up/down counter with clear	1.99	1.75	1.60
49955CK	74194N	DIP-16	4-bit bi-directional shift register	1.75	1.49	1.11
49963CK	74195N	DIP-16	4-bit parallel-access shift register	1.65	1.40	1.05
50171CK	74279N*	DIP-16	Quad set-reset latch	1.79	1.52	1.14
88225CK	SDLD001A	—	Texas Instruments TTL Data Book	34.95	31.49	29.95

*10 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

Includes:

20-drawer component cabinet (319599CK),
 20 clear plastic drawers (319601CK),
 20 clear dividers (319610CK), pg 296 and
 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420,
 7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107,
 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953CK	350 pcs. 7400 IC kit	6.2	\$149.95	\$134.95

74C Series

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44222CK	74C00N	DIP-14	Quad 2-input NAND gate	\$1.15	.98	.73
44231CK	74C04N	DIP-14	Hex inverter (CD4069)	1.05	.89	.67
42517CK	74C14N	DIP-14	Hex inverter Schmitt trigger (CD40106)	.49	.465	.288
44441CK	74C74N	DIP-14	Dual D flip-flop	2.25	1.53	1.16
44361CK	74C221N	DIP-16	Dual monostable multivibrator	3.69	3.19	2.50
13469CK	74C367N	DIP-16	Hex buffer tri-state (80C97/CD4503)	.25	.22	.18
44396CK	74C373N	DIP-20	Octal D-type flip-flop with clear tri-state	3.85	3.11	2.44
44409CK	74C374N	DIP-20	Octal D-type flip-flop tri-st. (INS82C06N)	2.49	2.12	1.59
44564CK	74C922N	DIP-18	16-key keyboard encoder (INS8245N)	7.05	6.79	6.19
44572CK	74C923N	DIP-20	20-key keyboard encoder (INS8246N)	6.29	5.85	5.55
44581CK	74C925N	DIP-16	4-digit CTR w/ MUX D segment driver	15.59	13.25	9.95
44599CK	74C926N	DIP-18	4-digit CTR w/ MUX D segment driver	10.49	9.49	8.59

74S Series

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48531CK	74S188N	DIP-16	256-bit (32 x 8) PROM O.C. (27S18)	\$4.39	\$3.95	\$3.45
48557CK	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	3.99	3.90	3.86
48696CK	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	9.85	9.03	7.80
48717CK	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.15	7.03	6.04

74S Series (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48805CK	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	\$3.09	\$2.79	\$2.55
52513CK	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864CK	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49
48910CK	74S571N	DIP-16	2k-bit (512 x 4) PROM tri-st. (AM27S13)	5.69	5.45	4.95
48928CK	74S573N	DIP-18	4k-bit (1024 x 4) PROM tri-st. (53S441J)	4.25	3.61	3.25

Dallas Semiconductor

Part No.	Product No.	Pkg.	Description	1	10	100
114198CK	DS1210	DIP-8	NV controller chip	\$3.79	\$3.07	\$2.07
114219CK	DS1213C	DIP-28	Smart socket	19.05	14.54	11.50
114227CK	DS1213D	DIP-32	Smart socket	19.95	17.95	15.95
133410CK	DS1216C	DIP-28	Smart watch/RAM	30.55	24.55	14.70
114331CK	DS1232	DIP-8	Micromonitor chip	1.85	1.34	1.00
133444CK	DS1286	DIP-28	Watchdog timekeeper	22.15	16.90	10.75
76646CK	DS1287	DIP-24	Real time clock chip	7.25	6.15	5.53
176778CK	DS1302	DIP-8	Trickle charge time keeping	2.75	2.10	1.28
114374CK	DS1387	DIP-24	RAMfiled real time clock	8.59	7.30	6.60
114382CK	DS1620	DIP-8	Digital thermometer and thermostat	5.35	4.42	3.39
245500CK	DS1705ESA	SOIC-8	Micromonitor chip	1.49	1.25	1.00
282749CK	DS1708ESA	SOIC-8	Micromonitor chip	1.85	1.40	1.10
133452CK	DS12887	DIP-24	Real time clock chip	8.15	6.93	5.19
299997CK	DS12887A	DIP-24	Real time clock chip	8.15	6.22	4.15
114403CK	DS80C320-MCC	DIP-40	High speed LP micro	12.09	9.27	5.71

♣ Pull = Extra Savings

MPU Supervisory

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
106219CK	MAX	MAX690CPA	DIP-8	Watchdog timer, 4.4V	\$5.45	\$4.64	\$3.16
106227CK	MAX	MAX691CPE	DIP-16	Watchdog timer, 4.65V	5.75	3.85	3.23
288403CK	MAX	MAX693CPE	DIP-16	Watchdog timer, 4.4V	6.25	4.97	3.23
297684CK	MAX	MAX694CPA	DIP-8	Watchdog timer, 4.65V	5.99	4.59	2.98
297748CK	MAX	MAX695CPE	DIP-16	Watchdog timer, 4.65V	6.25	5.82	5.24
312418CK	MAX	MAX699CPA	DIP-8	Watchdog timer, 5V	3.95	3.55	3.15
243627CK	MAX	MAX705CPA	DIP-8	Watchdog timer, 4.65V	3.95	3.36	2.52
243635CK	MAX	MAX705CSA	SOIC-8	Watchdog timer, 4.65V	4.15	3.71	2.78
297705CK	MAX	MAX706CPA	DIP-8	Watchdog timer, 4.65V	4.35	3.46	2.24
251774CK	MAX	MAX707CPA	DIP-8	Watchdog timer, 4.65V	3.89	3.10	2.00
251758CK	MAX	MAX707CSA	SOIC-8	Watchdog timer, 4.65V	3.69	3.33	2.48
298020CK	MAX	MAX734CPA	DIP-8	Flash memory prog., 12V	3.69	3.49	3.32
298046CK	MAX	MAX734CSA	SOIC-8	Flash memory prog., 12V	2.55	2.21	2.07
266861CK	MAX	MAX809T	SOT-23	3-pin reset monitor, 2.5V - 5V	.68	.60	.45
245391CK	MAX	MAX810S	SOT-23	3-pin reset monitor, 2.5V - 5V	.75	.71	.66
245497CK	MAX	MAX813LCSA	SOIC-8	Watchdog timer, 4.65V	2.79	2.17	1.49
106260CK	MAX	MAX1232CPA	DIP-8	Watchdog timer, 4.65V - 4.75V	2.85	2.25	1.55
282677CK	MAX	DS1233-5	TO-92	Econo reset, 5V	1.15	1.05	.94
290221CK	MAX	DS1233D-5	TO-92	Econo reset, 5V	1.13	1.10	.95
282651CK	MAX	DS1233M-5	TO-92	Econo reset, 5V	1.15	1.00	.90
282685CK	MAX	DS1233-10	TO-92/4	Econo reset, 5V	1.15	1.00	.97
313971CK	ANA	AP1701DW	SOT-23	3-pin reset monitor, 3V - 5V	.69	.50	.37
313939CK	ANA	AP1702DW	SOT-23	3-pin reset monitor, 3V - 5V	.49	.32	.31
310316CK	MAX	DS1708ESA	SOIC-8	Micro monitor, 3.3V - 5V	1.69	1.56	1.35
298089CK	MAX	DS1811-5	TO-92	Econo reset, 5V	.91	.69	.56
298118CK	MAX	DS1811-10	TO-92	Econo reset, 5V	.91	.68	.63
298100CK	MAX	DS1811-15	TO-92	Econo reset, 5V	.91	.75	.73


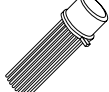

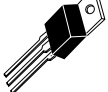









♠ Jameco Value Offering ♠ Blue Part No. = Limited Quantity Available

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!



Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Power Management

Package (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
291670CK	MAX712CPE	DIP-16	NICD/NIMH battery fast chrg controller	\$6.15	\$5.36	\$5.04
312821CK	BO2003S	SOIC-16	Fast Charge IC	4.09	3.33	2.62
312848CK	TI BQ2004PN	DIP-16	NIMH/NICd switchmode chrg mgmt w/ neg dV	4.49	3.79	3.66
312830CK	TI BQ2004SN	SOIC-16	NIMH/NICd switchmode chrg mgmt w/ neg dV	4.15	3.85	3.73
312901CK	TI BQ2010SN-D107	SOIC-16	Gas Gauge IC	6.29	5.82	4.36
312899CK	TI BQ2013SN-A514	SOIC-16	Gas Gauge IC	6.75	6.58	6.25
312856CK	TI BQ2014SN-D120	SOIC-16	NIMH/NICd gas gauge w/ 1-wire (DQ) I/F	7.19	6.84	6.49
312928CK	TI BQ2018TS-E	TSSOP-8	Rechargeable battery power monitor	3.89	3.38	3.21
312936CK	TI BQ2019PW	TSSOP-8	Rechargeable battery power monitor	3.99	3.46	3.29
312881CK	TI BQ2040SN-D111	SOIC-16	Li-Ion/NIMH/NICd gas gauge w/ smbus	7.19	6.84	6.50
312961CK	UC3906N	DIP-16	Linear lead acid battery charger	5.15	4.89	4.63
312944CK	TI BQ24004PWP	TSSOP-20	Li-Ion battery charger	3.45	3.20	3.05
241808CK	ICL7665SCPA	DIP-8	2-16V voltage detector	2.45	2.20	1.38
241816CK	ICL7673CPA	DIP-8	Auto battery backup switch, 2.5V to 15V	.93	.92	.75

+ Jameco Value Offering

RS-232 Drivers/Receivers

SSOP

Other packages (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
142535CK	HIN202CP	DIP-16	+5V RS-232 trans. requires 0.1µf caps	\$2.65	\$2.10	\$1.57
244232CK	MAX202CSE	SOIC-16	+5V RS-232 trans. w/ 0.1µf ext. caps	1.55	1.25	.94
244241CK	MAX202EPE	DIP-16	+5V RS-232 transceivers	1.29	1.14	.99
244259CK	MAX202ESE	SOIC-16	+5V RS-232 trans. w/ 0.1µf ext. caps	1.29	1.14	.99
299794CK	MAX MAX207CWG	SOIC-24	RS-232 transceivers w/ 0.1µf ext. cap	5.79	4.89	3.66
282790CK	MAX211CAI	SSOP-28	+5V RS-232 trans. w/ 0.1µf ext. caps	4.19	3.80	3.46
312215CK	MAX211ECAI	SSOP-28	+5V RS-232 trans., ±15kV ESD	7.35	5.75	4.15
291215CK	MAX222CPN	DIP-18	+5V multichannel RS-232 drivers/recvr	4.35	3.08	2.55
291303CK	MAX222CWN	SOIC-18	+5V multichannel RS-232 drivers/recvr	3.89	3.09	2.42
24811CK	MAX232CPE	DIP-16	Dual RS-232 receiver/transmitter	2.19	1.85	1.45
318959CK	MAX MAX232CPE	DIP-16	Dual RS-232 receiver/transmitter	2.89	1.77	1.49
106147CK	MAX232CWE	SOIC-16	+5V dual RS-232 trans./receiver	2.65	2.09	1.36
256401CK	MAX232DR	SOIC-16	Dual EIA-232 driver/receiver	.76	.66	.63
106155CK	MAX232EPE	DIP-16	+5V dual RS-232 (-40°C to +85°C)	3.19	2.51	1.73
106163CK	MAX232CPP	DIP-20	+5V multichannel RS-232 driver/rec.	6.19	4.99	4.66
106171CK	MAX232CPG	DIP-24	+5V five RS-232 driver/receiver	13.39	10.62	7.15
106180CK	MAX238CNG	DIP-24	+5V quad RS-232 driver/receiver	6.29	4.79	3.28
276883CK	MAX323CDWR	SOIC-20	True 3V-5.5V RS-232 trans w/ autoshtdwn	\$1.69	1.59	1.45
193691CK	DS1488D	SOIC-14	Quad line driver RS-232 (75188D)	\$0.41	.20	.17
23157CK	DS1488N	DIP-14	Quad line driver RS-232 (75188N)	.29	.25	.22
16361CK	DS14C88N	DIP-14	Quad CMOS line driver RS-232	.65	.58	.55
23181CK	DS1489N	DIP-14	Quad line receiver RS-232 (75189N)	.23	.215	.20
16379CK	DS14C89N	DIP-14	Quad CMOS line receiver RS-232	1.00	.73	.55
252128CK	MAX3221CAE	SSOP-16	RS-232 transceiver w/ auto shutdown	1.85	1.75	1.65
277042CK	MAX3221ECAE	SSOP-16	True 3V-5.5V RS-232 trans. w/ autoshtdwn	2.65	2.27	2.13
299760CK	MAX3222CAP	SSOP-20	True RS-232 low power trans.	3.35	2.69	1.83
276963CK	MAX3222CDBR	SSOP-20	3V-5.5V, low pwr RS-232 trans.	\$2.09	1.95	1.74
276859CK	MAX3232CDR	SOIC-16	3V-5.5V, true RS-232 transceiver	1.69	1.61	1.45
276867CK	MAX3232CSE	SOIC-16	3V-5.5V, true RS-232 transceiver	3.15	2.85	2.35
276795CK	MAX3238CDBR	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	\$1.69	1.55	1.35
276824CK	MAX3238IDBR	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	2.05	1.85	1.70
276761CK	MAX3243CDWR	SOIC-28	True 3V-5.5V RS-232 trans w/ autoshtdwn	1.31	1.23	1.14
276779CK	MAX3243IDWR	SOIC-28	True 3V-5.5V RS-232 trans w/ autoshtdwn	1.69	1.61	1.45
299911CK	DS14C232CM	SOIC-16	Low pwr TIA/EIA 232 dual driver/recvr	1.05	.94	.86
235301CK	DS14C232CN	DIP-16	Low pwr +5V TIA/EIA 232 dual driver/recvr	.78	.77	.76

*10 pcs. in Linear series IC cabinet kit, pg 37 + Jameco Value Offering

RS-232 Drivers/Receivers (Continued)

Package (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
277982CK	SN75185DW	SOIC-20	Multiple RS-232 drivers/receivers	\$.60	\$.50	\$.40
256081CK	SN75185N	DIP-20	Multiple RS-232 drivers/receivers	.61	.52	.39
245366CK	SN75C188D	SOIC-14	Quad low power line driver	.56	.42	.31
23181CK	SN75189N	DIP-14	Quad line rec. RS-232 (DS1489N)	.23	.215	.20
193703CK	SN75189D	SOIC-14	Quad line rec. RS-232 (DS1489D)	.46	.29	.15
245374CK	SN75C189D	SOIC-14	Quad low power line receiver	.56	.42	.31
278205CK	TL145406N	DIP-16	Triple RS-232 drivers/receivers	.88	.81	.60
25099CK	MC145406P	DIP-16	RS232-CV.28 drv./rec. (CMOS) (75C1406N)	1.95	1.75	1.59

+ Jameco Value Offering

RS-422/485 Drivers/Receivers

Package (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
299815CK	LTC LTC485CS8	SOIC-8	RS-485 low power interface trans.	\$2.59	\$1.76	\$1.45
299807CK	LTC LTC485CN8	DIP-8	RS-485 low power interface trans.	1.35	1.17	.91
276605CK	SIPEX SP490CN	SOIC-8	Low pwr, slew-rate limited RS-485/422	2.25	1.80	1.15
276576CK	MAX MAX490CPA	DIP-8	Low pwr, slew-rate limited RS-485/422	2.25	1.78	1.68
276550CK	MAX MAX491CPD	DIP-14	Low pwr, slew-rate limited RS-485/422	2.55	2.05	1.85
311837CK	MAX MAX1480BEP	DIP-28	Complete iso. RS485-422 data interface	28.75	22.29	20.72
244179CK	ADI ADM1485JN	DIP-8	RS-485 differential bus transceivers	1.95	1.60	1.20
244187CK	ADI ADM1485JR	SOIC-8	RS-485 differential bus transceivers	1.55	1.40	1.25
235310CK	DS1487N	DIP-8	Low pwr RS-485 1/4 unit load recvr.	1.49	1.12	1.02
244195CK	MAX1487CPA	DIP-8	RS-485/RS-422 low-power transceivers	2.25	1.77	1.30
244208CK	MAX1487CSA	SOIC-8	RS-485/RS-422 low-power trans.	2.15	1.99	1.53
39571CK	AM26LS30	DIP-16	Dual diff RS422 party line Qd RS423 line driv.	2.39	2.05	1.76
39589CK	AM26LS31CN	DIP-16	Quad diff line driver	.61	.54	.43
243555CK	AM26LV31CD	SOP-16	RS-422 quad differential line trans	.72	.65	.63
39600CK	AM26LS32CN	DIP-16	Quad diff line receiver RS422/423	.62	.53	.42
272217CK	DS26LS32ACN	DIP-16	Quad diff line receiver	.43	.40	.30
242051CK	AM26LV32CD	SOP-16	RS-422 quad differential line receivers	.92	.87	.83
252427CK	MC3486D	SOIC-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	.62	.53	.39
25232CK	MC3486P	DIP-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	.66	.56	.38
252961CK	MC3487D	SOIC-16	Quad EIA-422 differential line driver	.46	.39	.29
25259CK	MC3487P	DIP-16	Quad EIA-422 line driver w/ 3-state outputs	.62	.52	.39
298142CK	NSC DS3691M	SOIC-16	RS-422/423 line drivers w/ 3-state outputs	1.79	1.35	1.00
298134CK	NSC DS3691N	DIP-16	RS-422/423 line drivers w/ 3-state outputs	1.11	1.03	.77
144039CK	NSC DS3695N	DIP-8	Multipoint RS-485/422 trans. w/ 3-st. outputs	1.59	1.19	.90
235336CK	NSC DS3696N	DIP-8	Multipoint RS-485/RS-422 trans./repeaters	2.09	1.56	1.17
299671CK	NSC DS8921AN	DIP-8	RS-422 differential line driver/receiver pair	1.46	1.10	.82
298169CK	NSC DS8921M	SOIC-8	RS-422 differential line drv./rcvr pair	1.34	1.00	.75
299701CK	NSC DS8922AM	SOIC-16	RS-422 dual differential line drv./rcvr pair	1.45	1.10	.80
299719CK	NSC DS8922AN	DIP-16	RS-422 dual differential line driver/receiver pair	1.99	1.53	1.15
299727CK	NSC DS8923AM	SOIC-16	RS-422 dual differential line drv./rcvr pair	1.49	1.13	.83
309753CK	NSC DS8923AN	DIP-16	Dual RS-422 diff. line driver/rec. pairs	1.55	1.15	.85
235344CK	NSC DS36C278N	DIP-8	Low pwr. multipoint EIA RS-485 transceiver	\$2.69	2.35	1.76
50948CK	SN75174N	DIP-16	Quad diff. RS-422 line driver w/ 3-st. out	.76	.65	.48
245340CK	SN75175D	SOIC-16	Quad differential line receivers	.59	.50	.38
50956CK	SN75175N	DIP-16	Quad diff. EIA 422A/423A line rec. w/3-st. out	.72	.56	.45
243707CK	TI SN75LBC175D	SOIC-16	Quaduple low power diff. line rcvr	1.75	1.41	1.06
243715CK	TI SN75LBC175N	DIP-16	RS-422/RS-423/RS-485 diff. line rec.	2.45	2.40	2.32
50964CK	SN75176BN	DIP-8	Differential bus transceiver	.65	.55	.45
251053CK	TI SN75LBC176A	SOIC-8	Differential bus transceiver	\$3.69	2.65	2.60
244136CK	TI SN75LBC176AP	DIP-8	RS-485 diff. bus transceivers	1.75	1.64	1.57
251846CK	TI SN75LBC176D	SOIC-8	Differential bus transceivers RS485	1.25	1.14	.85

+ Jameco Value Offering Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

RS-422/485 Receivers (Continued)

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
243723CK	TI	SN75LBC176P	DIP-8	RS-485 differential bus trans.	\$1.48	\$1.19	\$1.05
235387CK	NSC	DS96172CNC	DIP-16	RS-485/RS-422 quad diff. line drivers	2.95	2.75	2.50
235395CK	NSC	DS96174CNC	DIP-16	RS-485/RS-422 quad diff. line drivers	2.39	1.85	1.38
235379CK	NSC	DS96175CNC	DIP-16	RS-485/RS-422 quad diff. line rec.	1.99	1.40	1.27
235408CK	NSC	DS96176CNC	DIP-8	RS-485/RS-422 diff. bus transceivers	1.55	1.43	1.35

⬢ Blue Part No. = Limited Quantity Available

Interface Series

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
310498CK	TI	XTR101AP	DIP-14	Low-drift precision 2-wire trans.	\$13.19	\$12.00	\$10.92
310501CK	TI	XTR101AU	SOIC-16	Low-drift precision 2-wire trans.	15.45	15.05	14.66
312021CK	TI	XTR105AP	DIP-14	4-20mA current transmitter	7.29	7.19	6.91
116206CK	+	TC426CPA	DIP-8	Dual 1.5A hi spd pwr MOSFET driver	1.03	.96	.945
245593CK	+	TC426EOA	SOIC-8	Dual 1.5A hi spd pwr MOSFET driver .....	.99	.95	.89
242077CK	+	TC428CPA	DIP-8	Dual MOSFET 1.5A driver	\$0.95	.87	.85
242085CK	+	MAX626CPA	DIP-8	Dual 1.5A-peak low-side MOSFET driver .....	.97	.88	.80
242093CK	+	MAX627CPA	DIP-8	Dual MOSFET driver	\$1.05	.90	.87
246692CK	+	LT1030N	DIP-14	Quad low power line driver	1.01	.91	.68
310754CK	+	TC1426COA	SOIC-8	1.2A dual high-speed MOSFET drivers ..	.68	.66	.64
310771CK	+	TC1426CPA	DIP-8	1.2A dual high-speed MOSFET drivers ..	.86	.84	.82
122399CK	+	CA3161E	DIP-16	BCD to 7-seg. decoder driver	2.39	2.10	1.86
310480CK	ON	MC33152D	SOIC-8	Dual high-speed MOSFET drivers	\$1.15	.98	.91
310439CK	ON	MC33152P	DIP-8	Dual high-speed MOSFET drivers	1.05	.97	.76
25216CK	NSC	MC3479P	DIP-16	Biphase stepper motor driver	3.79	3.22	2.55
24230CK	NSC	LM3914N	DIP-18	Bar-graph display driver	2.39	2.05	1.94
300003CK	NSC	LM3914N-1	DIP-18	Dot/bar display driver	1.65	1.54	1.38
246625CK	NSC	LM3914V	PLCC-20	Dot/bar display driver	2.35	2.00	1.50
24256CK	NSC	LM3915N	DIP-18	3 dB steps bar-graph disp. driver	2.19	1.64	1.23
24272CK	NSC	LM3916N	DIP-18	VU meter display driver	2.19	1.65	1.22
291320CK	+	MIC4420CM	SOIC-8	6A-peak low-side MOSFET drv .....	.81	.79	.59
291434CK	+	MIC4420CN	DIP-8	6A-peak low-side MOSFET driver	1.23	1.12	1.00
251029CK	+	TC4420COA	SOIC-8	6A high speed MOSFET drivers	\$1.45	1.20	1.15
310965CK	+	TC4422CPA	DIP-8	9A high-speed MOSFET drivers	1.75	1.60	1.48
310800CK	+	TC4422EPA	DIP-8	9A high-speed MOSFET drv, extended temp.	1.85	1.48	1.33
291590CK	+	MIC4427CM	SOIC-8	Dual 1.5A-peak low-side MOSFET drv ..	.87	.83	.62
312207CK	+	MIC4429CM	SOIC-8	6A-peak low-side MOSFET driver .....	.85	.83	.79
291645CK	+	MIC4429CN	DIP-8	6A-peak low-side MOSFET driver	1.45	1.28	1.21
243379CK	+	MM5453N	DIP-40	Liquid crystal display driver	2.69	2.44	2.10
314691CK	+	ICL7136CPL	DIP-40	3 1/2 digit LCD LP dsply driver	3.65	3.20	2.90
313453CK	+	ICM7211AMPL	DIP-40	4-digit LCD display driver	2.49	2.25	2.10
313437CK	+	ICM7218BUI	DIP-28	8-digit LED p multi display decoder drv ..	4.25	4.05	3.85
313445CK	+	ICM7218BUI	DIP-28	8-digit LED p multi display decoder drv ..	5.69	5.50	5.25
312160CK	MAX	MAX7219CNG	DIP-24	Serially interfaced 8-digit LED display drv ..	8.95	6.95	4.65
312178CK	MAX	MAX7219CNG	SO-24	Serially interfaced 8-digit LED display drv ..	8.65	7.00	6.15
313322CK	+	ICM7228AIP	DIP-28	8-digit p compatible LED dsply decoder drv ..	3.05	2.80	2.50
241875CK	+	FAN8082	DIP-8	Bi-directional, 18V DC motor driver .....	.65	.50	.40
241867CK	+	FAN8200	DIP-14	Bi-directional, 2-ch, 9V stepper motor drv ..	\$0.79	.60	.56
53663CK	+	9368	DIP-16	7 segment driver/latch	3.99	3.49	3.20
256727CK	TI	SN65LVDS31D	SOIC-16	High speed differential line driver	1.99	1.80	1.39
256719CK	TI	SN65LVDS04AD	SOIC-16	LVDS quad differential line receiver	\$3.15	2.75	2.52
272188CK	TI	SN65LVDS05D	SOIC-16	High Speed diff. line driver/rcvr	3.59	3.35	3.13
241824CK	+	MC14489BP	DIP-20	5V LED display/lamp driver	3.75	3.64	3.52
287831CK	+	MC14489BDW	SOG-20	5V LED driver, 5 digit / 25 lamps	3.39	3.19	3.05
50884CK	+	SN75154AN	DIP-16	Quad line receiver .....	.68	.51	.39
277907CK	+	SN75172N	DIP-16	Quad differential line driver .....	.94	.87	.65
245331CK	+	SN75173D	SOIC-16	Quad differential line receiver	1.15	.98	.73
277958CK	+	SN75179BD	SOIC-8	Differential driver and receiver pair	1.07	.90	.67
277940CK	+	SN75179BP	DIP-8	Differential driver and receiver pair .....	.67	.61	.45
278133CK	TI	SN75LBC180AN	DIP-14	Low pwr diff. line driver/receiver pairs ..	2.15	2.10	2.05
277966CK	+	SN75182N	DIP-14	Dual differential line receivers .....	.63	.58	.43
277974CK	+	SN75183N	DIP-14	Dual differential line drivers .....	.91	.84	.74
51027CK	+	SN75451AN	DIP-8	Dual peripheral AND drivers .....	.34	.31	.19
51035CK	+	SN75452N	DIP-8	Dual peripheral NAND drivers .....	.45	.23	.21

⬢ Jameco Value Offering ⬢ Blue Part No. = Limited Quantity Available

Interface Series (Continued)

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
278002CK	+	SN75453BP	DIP-8	Dual peripheral OR drivers	\$.30	\$.25	\$.20
277317CK	+	SN75454BP	DIP-8	Dual peripheral NOR drivers .....	.56	.42	.31
277430CK	+	SN75462P	DIP-8	Dual peripheral NAND drivers .....	.65	.49	.36
278037CK	+	SN75471P	DIP-8	Dual peripheral AND driver .....	.50	.38	.25
278053CK	+	SN75472P	DIP-8	Dual peripheral NAND driver .....	.39	.36	.27
278061CK	+	SN75477P	DIP-8	Dual peripheral NAND driver .....	.35	.33	.245
51131CK	+	SN75492P	DIP-14	Hex digit driver (492)	3.45	3.00	2.85
310746CK	+	SN751177N	DIP-16	Dual differential drivers/receivers	2.89	2.50	2.44
253083CK	+	SN751730N	DIP-16	Triple line driver/receiver	3.15	2.72	2.04

⬢ Jameco Value Offering

					DIP		
Part No.	Product No.	Pkg.	Description		1	10	50
323969CK	EDEFT609	DIP-8	Serial stepper motor controller		\$11.99	\$11.39	\$10.49
323977CK	EDEFT639P	DIP-8	Servo controller		9.99	9.49	8.49
323993CK	EDEFT649	DIP-8	Five pin output controller		9.99	9.49	8.49
171951CK	EDE702	DIP-18	Serial LCD interface		8.99	7.65	6.75
321710CK	EDE707	DIP-28	Octal 7-segment LED display decoder		8.99	7.65	6.75
321728CK	EDE747	DIP-24	7-segment decoder/driver		5.99	4.65	4.15
321701CK	EDE1188	DIP-28	8x8 matrix universal keypad encoder		8.89	7.65	6.75
171969CK	EDE1144	DIP-18	Keypad encoder		6.99	5.65	5.00
141532CK	EDE1200	DIP-18	Unipolar stepper motor controller		8.29	6.90	5.90
157526CK	EDE1204	DIP-18	Bipolar stepper motor controller	\$8.29	7.55	6.35	5.35
321736CK	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan ..		5.99	4.65	4.15
321744CK	EDE2108A	DIP-20	One-of-eight latch single channel		5.99	5.09	4.15
321752CK	EDE2108D	DIP-20	One-of-eight latch act/deact		5.99	5.09	4.15
321761CK	EDE2208/P	DIP-18	8-pushbutton momentary to toggle		5.69	3.99	3.79
324005CK	EDE8744	DIP-28	16-key serial keypad and 2x40 LCD driver ..		13.89	11.79	10.65

5000 Series & Clock Chips

					DIP		
Part No.	Cross Ref.	Pkg.	Description		1	10	50
32803CK	TCM5089N	DIP-16	Integrated tone dialer chip		\$5.25	\$4.75	\$4.05
26091CK	MM5321N	DIP-16	TV camera synchronous generator		4.75	4.31	3.91
26171CK	MM5450N	DIP-40	34-segment LED display driver		2.79	2.60	2.30
86799CK	LM555CM	SOIC-8	Timer (NE555D) .....		.25	.16	.13
27422CK	LM555CN**	DIP-8	Timer (MC1455P/NE555V) .....		.29	.23	.20
126797CK	LMC555CN*	DIP-8	CMOS 555 timer .....		.51	.47	.42
24328CK	LM556N*	DIP-14	Dual 555 timer .....		.82	.60	.45
26201CK	MM58167AN	DIP-24	Microprocessor real time clock	\$2.89	2.65	2.38	2.16
95530CK	RTC72421B	DIP-18	Real time clock module		6.79	5.69	4.34
25101CK	MT146818	DIP-24	Real time clock plus RAM		6.29	5.66	5.09
10567CK	AM9513APC	DIP-40	System timing counter		39.95	35.95	31.85

* 10 pcs. in Linear series IC cabinet kit, pg 37

** 20 pcs. in Linear series IC cabinet kit, pg 37

⬢ Pull = Extra Savings

⬢ Blue Part No. = Limited Quantity Available

UARTs


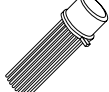

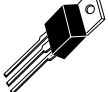









					DIP		
Part No.	Cross Ref.	Pkg.	Description		1	10	100
43158CK	6402	DIP-40	CMOS/LSI UART (TR1863)		\$6.25	\$5.35	\$4.99
27570CK	NS16C450N	DIP-40	CMOS ACE (IBM-AT compat.) (82C450)		2.39	1.93	1.53
288753CK	TL16C450FN	PLCC-68	5V UART, 1-channel w/o FIFO		2.39	1.94	1.45
288761CK	TL16C451FN	PLCC-68	5V UART, 1-ch w/o FIFO, parallel port		3.99	3.23	2.55
288770CK	TL16C452FN	PLCC-68	5V UART, 2-channel w/o FIFO, parallel port ..		4.45	3.59	2.85
27596CK	NS1650AN	DIP-40	UART w/ FIFO (PC16550DN)		4.45	4.05	2.25
288796CK	TL16C550CFN	PLCC-44	5V UART, 1-channel w/ FIFO, ACF		2.75	2.27	1.70
288809CK	TL16C550CN	DIP-40	5V UART, 1-channel w/ FIFO, ACF		2.79	2.27	1.79
288825CK	TL16C552AFN	PLCC-68	5V UART, 2-ch, biontronics port		5.45	4.43	3.78
288841CK	TL16C554FN	PLCC-68	5V UART, 4-channel w/ 16B FIFO		9.89	9.39	8.93
288876CK	TL16C750FN	PLCC-44	5V UART, 1-channel w/ 64B FIFO		5.75	5.65	5.55
288905CK	TL16C754BFN	PLCC-68	5V UART, 4-channel w/ 64B FIFO		13.69	12.99	12.35

⬢ Pull = Extra Savings


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Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering 

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Encoders/Decoders

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
243942CK	HCS300	DIP-8	2-6.3V, Code hopping decoder	\$1.75	\$1.69	\$1.63
243483CK	HCS512	DIP-18	3-6V, Code hopping decoder	7.05	6.85	6.80
243934CK	HCS515	DIP-14	3-6V, Code hopping decoder	3.05	2.89	2.75
243951CK	HCS2000	DIP-8	3.5-13V, Code hopping decoder	1.55	1.50	1.45
123730CK	HT12E	DIP-18	Encoder 12-bit	1.69	1.49	1.29
123748CK	HT12D	DIP-18	Decoder 8-bit address/4-bit data	1.69	1.49	1.29
126607CK	HT648L	DIP-24	Remote control decoder	2.39	2.05	1.84
243441CK	MCP2120	DIP-14	IrDA encoder/decoder	2.05	1.95	1.89
243459CK	MCP2150	DIP-18	IrDA standard protocol stack controller	7.59	7.39	7.03
243408CK	TP3054	DIP-16	5V serial PCM u-Law	2.45	1.92	1.48
243416CK	TP3057	DIP-16	5V serial PCM A-Law	2.15	1.65	1.28
243424CK	TP3064	DIP-20	5V serial PCM u-Law	3.19	3.11	3.05
243432CK	TP3067	DIP-20	5V serial PCM A-Law	2.29	1.81	1.56
289529CK	TLC320AC01CFN	PLCC-28	Audio codec, 14-bit, 1-channel, 25kHz	6.55	6.25	5.95
287937CK	MCP2120	SOIC-14	IrDA encoder/decoder	1.99	1.89	1.85
287945CK	MCP2140-I/P	DIP-18	IrDA controller, + DTE/DCE endec	2.29	2.26	2.17
287953CK	MCP2140-I/SO	SOIC-18	IrDA controller, + DTE/DCE endec	2.29	2.22	2.15
287961CK	MCP2140-I/SS	SSOP-20	IrDA controller, + DTE/DCE endec	2.39	2.35	2.27
287970CK	MCP2150-I/SO	SOIC-18	IrDA standard protocol stack controller	6.95	6.85	6.70
291004CK	TP3054WM	SOIC-16	PCM codec, 1-ch., u-law, 2MHz	2.05	1.60	1.20
287849CK	MC145026D	SOIC-16	Encoder, 9-line, simplex, OSC.	1.49	1.04	1.00
296702CK	MC145026P	DIP-16	Encoder, 9-line, simplex, OSC.	1.45	.97	.94
287865CK	MC145027D	SOIC-16	Decoder, 5-line, simplex, OSC.	2.15	1.98	1.80
296711CK	MC145027P	DIP-16	Decoder, 5-line, simplex, OSC.	1.85	1.29	1.23
296729CK	MC145028P	DIP-16	Decoder, 9-line, simplex, OSC.	2.25	1.55	1.16
287873CK	MC145481DW	SOG-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.45	2.40	2.35
287881CK	MC145483SD	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.85	2.70	2.58
287890CK	MC145484DW	SOIC-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.19	1.75	1.73
287902CK	MC145484SD	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law	\$2.75 2.59	2.47	2.35

Blue Part No. = Limited Quantity Available

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472CK: PIC-SERVO Motion Control Chipset for DC Motors

- PIC servo control for DC motors with digital encoders
- 32-bit position, velocity, and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chip set (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)



175901CK: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. – suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents
- Programmable accelerations and minimum step rates

323934CK: PIC-SERVO SC Servo Motion Control I.C.

- Servo controller for DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Description	Package	1	10	50
146472CK	PIC-SERVO chip set	DIP-28/18, 0.3"	\$31.35	\$26.55	\$25.15
175901CK	PIC-STEP chip	DIP-28, 0.3"	25.45	22.75	20.55
323934CK	KAE-T01V10-DP	DIP-28, 0.3"	29.95	27.50	25.75

Stepper Motor Drivers/Controllers

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288059CK	L292	DIP-20	Multit Watt-15 Switch mode DC motor drive, 36V, 36kHz	\$5.29	\$5.03	\$4.78
310703CK	L294	DIP-20	Multit Watt-11 Switch mode solenoid driver	3.05	2.63	2.35
310738CK	L295	DIP-20	Multit Watt-15 Dual switch mode solenoid driver	6.19	5.75	5.49
288067CK	L297/1	DIP-20	5V stepper motor controller	5.19	4.99	4.46
288075CK	L297D	SOIC-20	5V stepper motor controller	5.99	5.69	5.40
245403CK	L298M	DIP-20	Multit Watt-15 Dual full-bridge driver (MW-15 pkg.)	2.95	2.55	2.35
288083CK	L6201	SOIC-20	36V DMOS full bridge motor driver	7.79	7.19	6.45
288091CK	L6202	DIP-18	36V DMOS full bridge motor driver	7.15	6.62	5.29
288104CK	L6203	DIP-18	36V DMOS full bridge motor driver	\$10.05 9.05	8.75	8.25
288112CK	L6506	DIP-18	5V stepper motor current controller	2.89	2.80	2.65
288121CK	L6506D	SOIC-20	5V stepper motor current controller	3.95	3.65	3.31

A/D & D/A Converters

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748CK	7106CPL	DIP-40	A/D with 3 1/2-digit LCD control	\$3.25	\$2.91	\$2.41
43756CK	7107CPL	DIP-40	A/D with 3 1/2-digit LED control	2.95	2.40	2.05
290263CK	ICL7135CPI	DIP-28	4 1/2 digit precision A/D converter	5.55	4.48	3.83
289545CK	TLC5401DW	SOIC-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.25	3.20	3.15
289553CK	TLC5401FN	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.29	3.22	3.15
289588CK	TLC5401IN	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.35	3.15	2.99
289596CK	TLC5411DW	SOIC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.75	2.60	2.55
289609CK	TLC5411FN	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.65	2.33	1.74
289625CK	TLC5411IN	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.85	2.69	2.55
289684CK	TLC542CDW	SOIC-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289692CK	TLC542CN	DIP-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289705CK	TLC5421FN	PLCC-20	8-bit A/D w/ OSC., 25kHz	2.49	2.30	1.80
289713CK	TLC545CN	DIP-28	8-bit A/D w/ MUX, sample/hold, serial, 76kHz	5.45	5.35	5.25
289730CK	TLC5481D	SOIC-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	2.39	2.25	2.20
289781CK	TLC549CD	SOIC-8	8-bit A/D w/ sample/hold, 1-ch, 45kHz	1.85	1.70	1.60
289810CK	TLC549CP	DIP-8	8-bit A/D w/ sample/hold, 1-ch, 45kHz	1.85	1.70	1.52
290984CK	TLV5711DW	SOIC-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
290992CK	TLV5711PW	TSSOP-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
10145CK	ADC0803LCN	DIP-20	8-bit A/D 1-input (±1/2 LSB), 100µs	4.29	3.10	2.69
10153CK	ADC0804LCN	DIP-20	8-bit A/D 1-input (±1 LSB), 100µs	1.99	1.75	1.39
10170CK	ADC0808CCN	DIP-28	8-bit A/D w/ 8-ch. mux. (±1/2 LSB), 100µs	3.65	3.55	3.32
10188CK	ADC0809CCN	DIP-28	8-bit A/D w/ 8-ch. mux. (±1 LSB), 100µs	2.65	2.35	1.80
10209CK	ADC0817CCN	DIP-40	8-bit A/D w/ 16-ch. mux. (±1/2 LSB), 100µs	7.15	5.87	5.55
10225CK	ADC0820CCN	DIP-20	8-bit hi spd (1/2µs) A/D w/ track&hold	2.15	1.99	1.81
116100CK	ADC0831CCN	DIP-8	8-bit A/D w/ mux. diff. input (±1 LSB), 32µs	1.79	1.63	1.48
290474CK	TLV0831CD	SOIC-8	8-bit A/D, multiplexer, serial, 49kHz	2.39	2.29	2.25
290491CK	TLV0831CP	DIP-8	8-bit A/D, multiplexer, serial, 49kHz	2.29	2.03	1.52
251176CK	TL0831CP	DIP-8	8-bit A/D, w/ serial control (±1 LSB), 32µs	2.59	2.52	2.45
290538CK	TLC0832CD	SOIC-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290554CK	TLV0832CP	DIP-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290562CK	TLV0834CD	SOIC-14	8-bit A/D, multiplexer, serial, 41kHz	2.25	2.02	1.51
290571CK	TLV0834IN	DIP-14	8-bit A/D, multiplexer, serial, 41kHz	2.65	2.57	2.50
290600CK	TLV0838CDW	SOIC-20	8-bit A/D, multiplexer, serial, 38kHz	2.49	2.39	2.35
290618CK	TLV0838IN	DIP-20	8-bit A/D, multiplexer, serial, 38kHz	2.65	2.55	2.50
287603CK	ADS930E	SSOP-28	8-bit A/D (±1 LSB), 30MHz	4.69	4.35	4.00
296690CK	AD7226KN	DIP-20	8-bit A/D 4-input (±1 LSB), 5µs	18.19	17.17	15.95
287321CK	AD7226KR	SOIC-28	8-bit A/D 4-input (±1 LSB), 5µs	19.89	18.79	17.65
242296CK	TLC1543	DIP-20	10-bit A/D 11-inputs (±1 LSB), 38ksp/s	2.95	2.55	2.40
242309CK	TLC1549	DIP-20	10-bit A/D 1-input (±1 LSB), 38ksp/s	3.35	2.91	2.45
287591CK	ADS901E	SSOP-28	10-bit A/D, (±1 LSB), 25MHz	6.19	6.05	5.90

Blue Part No. = Limited Quantity Available

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

A/D & D/A Converters (Continued)

Package (see pg 34)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288681CK	THS1030IDW	SOIC-28	10-bit A/D, 30MSPs parallel	\$7.29	\$7.05	\$6.75
288690CK	THS1031IDW	SOIC-28	10-bit A/D, 30MSPs parallel	8.09	7.85	7.55
288729CK	THS1031IPW	TSSOP-28	10-bit A/D, 30MSPs parallel	8.09	7.85	7.55
289001CK	TLC1541CDW	SOP-20	10-bit A/D, 11-input serial, 32kHz	6.05	5.75	5.45
289019CK	TLC1541CN	DIP-20	10-bit A/D, 11-input serial, 32kHz	6.09	5.85	5.75
289027CK	TLC1541CFN	PLCC-20	10-bit A/D, 11-input serial, 32kHz	5.79	5.59	5.39
289078CK	TLC1542CDW	SOP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.15	3.85	3.49
289107CK	TLC1542CN	DIP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289115CK	TLC1542CFN	PLCC-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289123CK	TLC1543CDB	SSOP-20	10-bit A/D, 11-input serial, 38kHz	3.49	3.27	3.05
289131CK	TLC1543CDW	SOIC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289220CK	TLC1543CFN	PLCC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289271CK	TLC1543CDB	SSOP-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	4.05	3.79	3.75
289300CK	TLC1543CDW	SOIC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289334CK	TLC1543CFN	PLCC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289369CK	TLC1549CD	SOP-8	10-bit A/D, 11-input ser. 38kHz	3.35	3.19	3.05
289377CK	TLC1551FN	PLCC-28	10-bit A/D, 11-input parallel, 164kHz, ITMP	6.29	5.99	5.70
277165CK	MAX186BCPP	DIP-20	12-bit A/D serial 8-input, low power	\$29.95 21.55	21.35	21.25
277157CK	MAX186DCWP	SOIC-20	12-bit A/D serial 8-input, low power	19.05	14.99	13.99
277069CK	MAX197BCN	DIP-28	12-bit A/D w/ 8-ch, 1/2 LSB	24.89	22.90	20.95
287582CK	ADS774JU	SOIC-28	12-bit A/D (±1 LSB), 125ksps	35.45	33.69	32.00
289422CK	TLC2543CDW	SOIC-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289431CK	TLC2543CFN	PLCC-20	12-bit A/D, 11-input serial, 66kHz	7.05	5.69	4.85
289465CK	TLC2543CN	DIP-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289473CK	TLC2543CDB	SSOP-20	12-bit A/D, 11-input serial, 66kHz	\$8.35 7.75	7.65	7.55
290634CK	TLV2543CDW	SOIC-20	12-bit A/D, 11-channel serial	7.99	7.79	7.55
290669CK	TLV2543CDW	DIP-20	12-bit A/D, 11-channel serial	8.35	7.95	7.55
43764CK	V109CPL	DIP-40	12-bit A/D 1-input (±2 LSB), 30sps	5.69	3.56	3.34
311781CK	MCP3221A5-IOT	SOT-23A/5	12-bit A/D, low-power I2C interface	2.05	1.95	1.85
287988CK	MCP3301-QIMC	MSOP-8	13-bit A/D, 1-input serial, diff. input	2.79	2.65	2.57
287996CK	MCP3301-CIP	DIP-8	13-bit A/D, 1-input serial, diff. input	2.59	2.49	2.40
288008CK	MCP3302-CIP	DIP-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288016CK	MCP3302-CISL	SOIC-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288024CK	MCP3302-CIST	TSSOP-14	13-bit A/D, 2-input serial, diff. input	3.85	3.65	3.52
288032CK	MCP3304-CIP	DIP-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
288041CK	MCP3304-CISL	SOIC-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
277149CK	MAX110ACWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .03% typ. acc.	13.25	11.99	10.79
277131CK	MAX110BCPE	DIP-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	11.69	9.21	8.29
277122CK	MAX110BCWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	10.15	9.21	8.29
313779CK	TC500ACOE	SOIC-16	17-bit A/D analog "front end", 18mW	4.55	4.51	4.46
313787CK	TC500CPE	DIP-16	17-bit A/D analog "front end", 18mW	3.35	3.05	2.89
287312CK	AD676JD	DIP-28	16-bit A/D 1-input (±1 LSB), 100ksps	85.69	83.85	81.99
242317CK	AD57805	DIP-28	16-bit A/D 1-input (±1 LSB), 100ksps	\$38.29 35.99	34.99	34.52
242325CK	AD57813	DIP-16	16-bit A/D 1-input (±2 LSB), 40ksps	33.55	33.25	33.15
239417CK	AD57825	DIP-28	16-bit A/D 4-input (±2 LSB), 40ksps	45.35	43.35	41.35
287401CK	AD976ABN	DIP-28	16-bit A/D 1-input (±2 LSB), 200ksps	\$72.69 68.05	67.05	66.05
287435CK	AD976BR	SOIC-28	16-bit A/D 1-input (±3 LSB), 100ksps	\$58.55 54.85	53.85	52.85
288593CK	PCM1800E	SSOP-24	20-bit stereo A/D, 2-input serial, 32-48kHz	4.75	4.65	4.49
288622CK	PCM1801U	SOIC-14	20-bit stereo A/D, 2-input serial, 32-48kHz	4.89	4.29	4.15
287363CK	AD7714AN	DIP-24	24-bit A/D 6-input, 38ksps	17.75	17.65	17.50
316726CK	TC7117CPL	DIP-40	A/D conv w/ 3 1/2 digit LED/LCD driver	2.75	2.55	2.25
287793CK	MC144110DW	SOIC-20	6-bit D/A, 4-input, serial R-2R	4.05	3.95	3.90
287822CK	MC144111DW	SOIC-16	6-bit D/A, 4-input, serial R-2R	2.99	2.00	1.75
115158CK	AD558JN	DIP-16	8-bit D/A 1-input (±1/2 LSB), 200ns	12.59	11.99	11.29
14904CK	DAC0800LCN	DIP-16	8-bit D/A (±1 LSB), 100ns	\$1.65 1.49	1.12	.83
14912CK	DAC0806LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P6)	2.09	2.05	2.00
14947CK	DAC0808LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P8)	1.43	1.18	.75
14963CK	DAC0830LCN	DIP-20	8-bit D/A double buffer (0.05% Lin.), 1µs	4.79	4.39	3.99
128186CK	DAC0832LCN	DIP-20	8-bit D/A double buffer (.20% Lin.), 1µs	2.59	1.98	1.53
290781CK	TLV5604ID	SOIC-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
290790CK	TLV5604IPW	TSSOP-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
289836CK	TLC5620CN	DIP-14	8-bit D/A, 4-channel, serial	2.89	2.72	2.69
289844CK	TLC5620CD	SOIC-14	8-bit D/A, 4-channel, serial	2.75	2.64	2.55
289861CK	TLC5628CDW	SOIC-16	8-bit D/A, 8-channel, serial, 5V	4.75	4.29	4.15
289879CK	TLC5628CN	DIP-16	8-bit D/A, 8-channel, serial, 5V	4.65	4.55	4.30

A/D & D/A Converters (Continued)

Package (see pg 34)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
290968CK	TLV5628DW	SOIC-16	8-bit D/A, 8-channel, serial, 3V	\$4.15	\$3.95	\$3.75
290976CK	TLV5628CN	DIP-16	8-bit D/A, 8-channel, serial, 3V	4.69	3.79	2.99
54025CK	AD7523JN	DIP-16	8-bit D/A 1-input (±1 LSB), 150ns	2.99	2.49	2.19
289895CK	TLC7524CD	SOIC-16	8-bit D/A, multiplier, parallel	2.49	2.08	1.64
290052CK	TLC7524CN	DIP-16	8-bit D/A, multiplier, parallel	2.75	2.39	1.95
290087CK	TLC7528CN	DIP-20	8-bit D/A, multiplier, parallel	2.75	2.23	1.75
290095CK	TLC7528DW	SOIC-20	8-bit D/A, multiplier, parallel	2.79	2.37	1.87
287339CK	AD7628KN	DIP-20	8-bit D/A 2-input (±1 LSB), 350ns	4.35	3.79	3.70
239425CK	TLC5615	DIP-8	10-bit D/A 1-input (±1 LSB), 12µs	3.49	2.79	2.32
287380CK	AD9760AR	SOIC-28	10-bit D/A, 125MSPs	6.05	5.50	5.00
287443CK	AD9832BRU	TSSOP-16	10-bit DDS D/A, 25MHz	7.95	7.40	5.55
287451CK	AD9850BRS	SSOP-28	10-bit DDS D/A w. comp., 3.5ns	18.49	17.25	15.73
287347CK	AD767JN	DIP-24	12-bit D/A 1-input (±1 LSB), 4µs	\$20.49 18.75	18.65	18.50
287355CK	AD767KN	DIP-24	12-bit D/A 1-input (±1/2 LSB), 4µs	17.75	17.35	16.75
14980CK	DAC1222LCN	DIP-18	12-bit D/A (.20% Lin.), 500ns	10.95	9.85	8.85
290802CK	TLV5610DW	SOIC-20	12-bit D/A, 8-channel, serial	15.99	15.25	14.49
290845CK	TLV5610PW	TSSOP-20	12-bit D/A, 8-channel, serial	16.05	15.25	14.49
290829CK	TLV5613IDW	SOIC-20	12-bit D/A, 1-channel, parallel	5.09	4.99	4.75
290853CK	TLV5613PW	TSSOP-20	12-bit D/A, 1-channel, parallel	5.09	5.00	4.75
290896CK	TLV5614CD	SOIC-16	12-bit D/A, 4-channel, serial	13.35	12.95	12.59
290933CK	TLV5614CPW	TSSOP-16	12-bit D/A, 4-channel, serial	13.35	12.95	12.59
239433CK	DAC712	DIP-28	16-bit D/A 1-input (±1 LSB), 10µs	20.05	18.93	17.96
242771CK	DAC714P	DIP-16	16-bit D/A w/ ser. interf. (±1 LSB), 10µs, mult. out. ranges	31.55	30.55	29.55
243336CK	DAC715	SOIC-28	16-bit D/A w/ bus interf. (±1 LSB), 10µs	33.15	33.00	32.85
243344CK	DAC716	DIP-16	16-bit D/A w/ serial interf. (±1 LSB), 10µs	25.25	25.00	24.85

Blue Part No. = Limited Quantity Available

Low Drop-Out Voltage Regulators


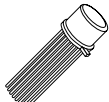
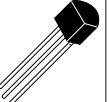
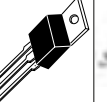

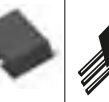
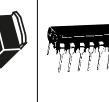
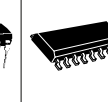
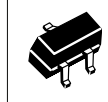




Package (see pg 34)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299743CK	◆	LM1084IT-ADJ	TO-220	5A low drop out adj. pos. volt. reg.	\$1.99	\$1.52	\$1.13
299735CK	◆	LM1084IT-3.3	TO-220	5A low drop out 3.3V pos. volt. reg.	5.95	5.35	4.79
314587CK	ANA	AP1084T	TO-220/3	5A LDO pos volt reg (adj)	1.19	.95	.77
282781CK	◆	LD1085D2M33	DD	3A low drop pos volt reg. adj/fixed	1.69	1.54	1.40
282757CK	◆	LT1085CT	TO-220	3A low drop pos volt reg. adj/fixed	1.34	1.21	1.09
302471CK	◆	LM1085IS-ADJ	TO-263	3A low drop out adj. pos. volt. reg.	1.29	.97	.72
302463CK	◆	LM1085IS-3.3	TO-263	3A low drop out 3.3V pos. volt. reg.	1.20	.90	.68
302455CK	◆	LM1085IT-ADJ	TO-220	3A low drop out adj. pos. volt. reg.	2.49	1.85	1.39
244312CK	◆	LD1086D2M33	TO-263/3	3.3V, low dropout voltage reg.	1.69	1.44	1.08
314579CK	ANA	AP1086D	TO-252/3	1.5A LDO pos volt reg (adj)	1.25	.91	.67
245526CK	◆	LM1086CS-ADJ	TO-263/3	1.5A low dropout positive reg.	1.99	1.51	1.13
192305CK	◆	LM1086CT-3.3	TO-220/3	1.5A low dropout positive reg. (3.3V)	1.09	.81	.60
192313CK	◆	LM1086CT-5.0	TO-220/3	1.5A low dropout positive reg. (5V)	1.35	1.00	.78
192292CK	◆	LM1086CTADJ	TO-220/3	1.5A low dropout positive reg.	1.40	.77	.64
314552CK	ANA	AP1086D33	TO-252/3	1.5A low dropout positive volt reg (3.3V)	1.19	.90	.665
314536CK	ANA	AP1086T	TO-220/3	1.5A pos LDO voltage reg (adj)	1.25	.91	.67
314501CK	ANA	AP1086T33	TO-220/3	1.5A pos LDO voltage reg (3.3V)	1.25	.91	.67
314481CK	ANA	AP117D	TO-252/3	1A pos adj LDO voltage reg	1.03	.76	.551
314472CK	ANA	AP117D50	TO-252/3	1A pos LDO voltage reg (5V)	1.03	.76	.551
314464CK	ANA	AP117E25	SOT-223/3	1A pos LDO voltage reg (2.5V)	.91	.68	.494
314448CK	ANA	AP117E50	SOT-223/3	1A pos LDO voltage reg (5V)	.89	.68	.494
314376CK	ANA	AP117T	TO-220/3	1A pos. adj. LDO voltage reg.	1.19	.865	.66
242042CK	◆	LM1117DT-3.3	TO-252/3	800mA low dropout linear reg.	.78	.66	.50
242069CK	◆	LM1117DT-5.0	TO-252/3	800mA, 5V, low dropout voltage reg.	1.20	.87	.65
251782CK	◆	LM117MPX-ADJ	SOT-223/3	800mA low drop out linear regulator	.46	.44	.41
242114CK	◆	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO voltage reg.	.66	.625	.57
243539CK	◆	LM1117T-ADJ	TO-220/3	800mA, adj., LDO voltage reg.	1.27	.83	.68
314326CK	ANA	AP1184KSL	TO-263/5	4A ultra LDO adj. reg. (ROHS comp.)	5.29	3.69	3.29
244216CK	◆	LT1585ACT-3.3	TO-220/3	5A, 3.3V, LDO voltage reg.	2.29	1.95	1.46
244224CK	◆	LT1585ACT-ADJ	TO-220/3	5A, adjustable, LDO volt. reg.	2.29	1.95	1.46
244144CK	◆	LT1587CM	DD/3	3A LDO voltage regulator	4.25	4.00	3.80
244152CK	◆	LT1587CT-3.3	TO-220/3	3A, 3.3V, LDO voltage reg.	1.55	1.18	.87
244161CK	◆	LM1587CT-ADJ	TO-220/3	3A LDO fast response reg.	1.79	1.38	1.05
310244CK	TI	TLV2217-33KC	TO-220/3	LDO 3.3V volt reg. PNP	.69	.59	.47
310121CK	◆	LM2930T-5.0	TO-220/3	3-terminal positive voltage regulator	.71	.69	.65

Jameco Value Offering Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Low Drop-Out Voltage Regulators (Continued) Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
121030CK	+	LM2931AZ-5.0	TO-92	5V LDO regulator	\$.30	\$.28	\$.25
23368CK	+	LM2931CT	TO-220/5	3V-24V LDO regulator	.56	.53	.39
256612CK	+	LM2931D-5.0	SOIC-8	5V LDO regulator	.46	.39	.29
121048CK	+	LM2931Z-5.0	TO-92	5V LDO regulator	.32	.30	.22
291098CK	NSC	LM2937ES-2.5	TO-263	2.5V 500mA LDO regulator	1.79	1.36	1.02
297810CK	NSC	LM2937ET-5.0	TO-220	5V 500mA LDO regulator	1.22	1.12	1.02
291101CK	NSC	LM2937ET-10	TO-220	10V 500mA LDO regulator	1.69	1.28	.96
192495CK	+	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	\$1.27 .74	.68	.62
107182CK	+	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
245657CK	+	LM2941CS	TO-263/5	1A LDO adjustable regulator	1.65	1.39	1.05
121064CK	+	LM2941CT	TO-220/5	1A LDO adjustable reg. (45Vin)	.99	.88	.71
23376CK	+	LM2941T	TO-220/5	1A LDO adjustable reg. (60Vin)	1.49	1.13	.84
121101CK	+	LP2950ACZ-5.0	TO-92	Low power LDO 3V low % reg.	.69	.59	.44
266781CK	+	LP2950CDT-5.0	TO-252/3	100mA low pwr. LDO volt. reg.	1.06	.79	.59
266845CK	+	LP2950CZ-3.0	TO-92	100mA low pwr. LDO volt. reg.	.86	.62	.47
266757CK	+	LP2950CZ-5.0	TO-92	100mA low pwr. LDO volt. reg.	.80	.59	.29
266669CK	NSC	LP2967BIP-2533	BPA-8	Dual μ Pwr 150mA LDO reg. (2.5/3.3V)	2.85	2.70	2.48
266589CK	NSC	LP2967BIP-2828	BPA-8	Dual μ Pwr 150mA LDO reg. (2.8/2.8V)	2.59	2.54	2.49
266626CK	NSC	LP2967MM-2528	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.5/2.8V)	2.49	2.40	2.25
266407CK	NSC	LP2967MM-2533	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.5/3.3V)	2.49	2.40	2.25
266597CK	NSC	LP2967MM-2626	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.6/2.6V)	2.49	2.39	2.27
266642CK	NSC	LP2967MM-2828	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.8/2.8V)	2.49	2.40	2.25
266706CK	NSC	LP2968LD-3.0	LLP-8	μ Pwr, 200mA ultra LDO fixed volt. reg.	1.85	1.75	1.62
266722CK	NSC	LP2968LD-5.0	LLP-8	Same as above w/ prog. pwr-on reset delay	1.85	1.75	1.62
192524CK	+	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.69	1.28	.95
252241CK	+	MC29152BU	TO-263/5	1.5A high current LDO reg.	2.79	2.60	2.27
251344CK	TI	TP76201DBVR	SOT-23/5	100mA LP low output adj. LDO linear reg	1.29	1.16	1.04

Voltage Regulators

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
282618CK	+	LM117H	TO-39	3-terminal adjustable regulator	\$5.15	\$4.65	\$4.20
282036CK	+	LM140LAH-5.0	TO-39	3-terminal positive regulator	4.59	3.68	2.76
302375CK	+	LM217T	TO-220	1.2 - 37V adj. positive voltage reg.	\$0.65 .56	.52	.47
23499CK	+	LM309K	TO-3/2	5V 1A regulator (0°C to +125°C)	4.55	3.25	2.95
192268CK	+	LM317AT	TO-220/3	3-terminal adjustable reg. (1.2V-37V)	1.75	1.25	.95
192276CK	+	LM317HVT	TO-220/3	3-terminal adjustable reg. (1.2V-57V)	1.99	1.77	1.31
23544CK	+	LM317K	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	1.75	1.59	1.47
193551CK	+	LM317LM	SOIC-8	100mA adj. pos. regulator (1.2V to 37V)	.39	.35	.26
23552CK	+	LM317LZ	TO-92	100mA adj. pos. reg. (1.2V-37V)	.23	.22	.20
23579CK	+	LM317I**	TO-220/3	1.5A adj. pos. reg. (1.2V-37V)	.45	.39	.34
23667CK	+	LM323K	TO-3/2	5V 3A positive regulator	2.89	2.75	2.29
23798CK	+	LM337K	TO-3/2	1.5A/3 term. adj. neg. reg.	4.69	3.62	2.71
193586CK	+	LM337LM	SOIC-8	1.5A adj. neg. regulator (-1.2V to -37V)	.51	.44	.42
296841CK	+	LM337LZ	TO-92	3-terminal adj. neg. voltage reg.	.67	.57	.43
23819CK	+	LM337T*	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V)	.59	.55	.44
23835CK	+	LM338K	TO-3/2	5A adj. pos. reg. (1.2V-32V)	5.69	4.47	3.74
192284CK	+	LM338T	TO-220/3	5A adjustable regulator	1.99	1.49	.99
23931CK	+	LM350K	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V)	4.75	4.25	3.19
23940CK	+	LM350T	TO-220/3	3 amp. adj. power regulator	1.09	.89	.69
239134CK	+	LM431ACM	SOIC-8	Programmable shunt regulator	.23	.22	.21
278248CK	+	TL431AILP	TO-92	Adjustable precision shunt regulator	.41	.34	.23
314069CK	ANA	AP431AR	SOT-23	Prog. shunt regulator (5%, 2.5 - 36V)	\$0.62 .53	.46	.39
314051CK	ANA	AP431AVL	SOT-23	Prog. shunt regulator (5%, 2.5 - 36V)	.65	.565	.475
314018CK	ANA	AP431V	TO-92	Prog. shunt regulator (1%, 2.5 - 36V)	.36	.31	.265

 *10 pieces included in Linear kit, pg 37 **20 pieces included in Linear kit, pg 37  Blue P/N = Limited Quantity Available

Voltage Regulators (Continued)

Package (see above)

* Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
239142CK	+	LM431BCM	SOIC-8	Programmable shunt regulator	\$4.42	\$3.36	\$2.27
251862CK	+	LM431CIM	SOIC-8	Adj. precision zener shunt regulator	.37	.32	.28
276525CK	MAX	MAX637ACPA	DIP-8	Preset/Adj. output CMOS invert switching reg.	5.49	4.98	4.47
276517CK	MAX	MAX637ACSA	SOIC-8	Preset/Adj. output CMOS invert switching reg.	5.65	4.50	3.60
214050CK	+	LM723CD	SOIC-14	High precision voltage regulator	*	.17	.16
24467CK	+	LM723CN*	DIP-14	Voltage regulator (2V-37V)	.26	.24	.23
301719CK	+	LM723BH	TO-5	2V - 37V, 150mA adj. voltage reg.	3.35	2.57	2.40
298071CK	+	MAX755CSA	SOIC-8	-5V/adj., neg. output, invert, curr. mode PWM reg.	3.55	3.35	3.20
302279CK	NSC	LM2524DN	DIP-16	200mA regulating PWM	1.14	1.04	.77
192330CK	NSC	LM2574HM-5.0	DIP-8	Simple switcher 0.5A step down volt. reg.	\$3.99 3.49	2.91	2.77
192348CK	NSC	LM2574HM-12	DIP-8	Simple switcher 0.5A step down volt. reg.	3.49	2.70	2.08
245551CK	NSC	LM2574AN-ADJ	DIP-8	Simple switcher 0.5A step down volt. reg.	2.05	1.55	1.15
156566CK	NSC	LM2574N-5.0	DIP-8	Step-down 5-voltage regulator	1.49	1.15	.86
279638CK	NSC	LM2575HVT-5.0	TO-220	Switcher 1A step down V-reg, high Vin range	3.95	3.35	3.15
279603CK	NSC	LM2575HVT-12	TO-220	Switcher 1A step down V-reg, high Vin range	3.95	3.55	3.28
192399CK	+	LM2576HVT-12	TO-220/5	Switcher 3A step down V-reg, high Vin range	5.89	4.38	4.00
192381CK	NSC	LM2576HVT-5.0	TO-220/5	Switcher 3A step down V-reg, high Vin range	5.09	3.92	3.60
192372CK	NSC	LM2576HVT-ADJ	TO-220/5	Switcher 3A step down V-reg, high Vin range	5.09	3.93	2.95
245569CK	NSC	LM2576T-5.0	TO-220/5	Simple switcher 3A step down volt. reg.	2.35	1.76	1.36
120977CK	NSC	LM2576T-ADJ	TO-220/5	Simple switcher 3A step down volt. reg.	1.69	1.37	1.05
300821CK	NSC	LM2586S-ADJ	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.45	5.15	5.06
300871CK	NSC	LM2586S-5.0	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.45	5.15	5.06
300898CK	NSC	LM2586S-12	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.45	5.15	5.06
300919CK	NSC	LM2586T-ADJ	TO-220	Simple switcher 3A flyback reg. w/ shutdown	5.45	5.15	5.06
300804CK	NSC	LM2588S-ADJ	TO-263	Simple switcher 5A flyback reg. w/ shutdown	7.45	6.20	5.55
300847CK	NSC	LM2588T-ADJ	TO-263	Simple switcher 5A flyback reg. w/ shutdown	7.45	7.25	7.05
300759CK	NSC	LM2592HS-ADJ	TO-263	Simple switcher 2A step down voltage reg.	5.05	4.59	4.33
300783CK	NSC	LM2592HS-5.0	TO-263	Simple switcher 2A step down voltage reg.	5.05	4.59	4.33
300724CK	NSC	LM2592HVT-ADJ	TO-220	Simple switcher 2A step down voltage reg.	5.05	4.25	3.58
300732CK	NSC	LM2592HVT-3.3	TO-220	Simple switcher 2A step down voltage reg.	5.05	4.60	4.33
300716CK	NSC	LM2594M-3.3	SOIC-8	Simple switcher 0.5A step down voltage reg.	2.55	2.25	2.17
192428CK	NSC	LM2594M-ADJ	DIP-8	Simple switcher pwr. conv. 150kHz 0.5A	2.55	2.40	2.25
300695CK	NSC	LM2594N-3.3	DIP-8	Simple switcher 0.5A step down voltage reg.	2.55	2.29	2.17
300265CK	NSC	LM2595S-ADJ	TO-263	Simple switcher 1A step down volt. reg.	3.19	2.45	2.39
300273CK	NSC	LM2595S-12	TO-263	Simple switcher 1A step down voltage reg.	3.19	2.89	2.74
300775CK	NSC	LM2595T-ADJ	TO-220	Simple switcher 1A step down voltage reg.	3.19	2.46	1.84
192452CK	NSC	LM2595T-5.0	TO-220/5	Simple switcher pwr. conv. 150kHz 1A	\$1.95 1.65	1.48	1.35
310391CK	NSC	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	3.89	2.99	2.89
290626CK	NSC	LM2596T-ADJ	TO-220/7	Simple switcher 3A step-down voltage reg.	3.55	2.75	2.12
290642CK	NSC	LM2596T-5.0	TO-220/7	Simple switcher 3A step-down voltage reg.	3.55	3.25	3.09
290597CK	NSC	LM2599T-ADJ	TO-220/7	Simple switcher 3A st-dn volt. reg. w/ flags	4.69	3.58	3.22
290749CK	NSC	LM2615MTC-5.0	TSSOP-16	1.5A high eff. synch. switching reg.	3.15	2.99	2.85
290757CK	NSC	LM2670S-5.0	TO-263/7	5V high eff. simple switcher	4.29	3.55	3.35
312397CK	NSC	LM2636MTC	TSSOP-20	5-bit prog. synchronous buck reg.	3.45	2.65	2.58
312389CK	NSC	LM2633MTC-ADJ	TSSOP-16	1.5A high eff. synch. switching reg.	4.19	3.25	3.12
290765CK	NSC	LM2672N-5.0	DIP-8	5V high eff. simple switcher, 1A load	3.45	3.15	2.96
290888CK	NSC	LM2674M-ADJ	SOIC-8	Adjustable voltage hi efficiency switcher	2.85	2.35	2.20
290861CK	NSC	LM2674N-5.0	DIP-8	5V high eff. simple switcher, 500mA load	2.85	2.35	2.20
291012CK	NSC	LM2675N-ADJ	DIP-8	Simple switcher 1A step down volt. reg. pwr cvtr	3.35	2.99	2.85
291039CK	NSC	LM2678S-ADJ	TO-263/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
291047CK	NSC	LM2678T-5.0	TO-220/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
290651CK	NSC	LM2596S-ADJ	TO-263	Simple switcher 3A step down volt. reg.	3.55	2.74	2.12
290394CK	NSC	LM2599S-ADJ	TO-263/7	Simple switcher 3A step down volt. reg.	4.65	3.85	3.64

*10 pieces included in Linear kit, pg 37 + Jameco Value Offering



RoHS compliant product



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Voltage Regulators (Continued)

Package (see pg 36)

				* Minimum order 10 pieces			
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
245649CK	NSC	LM2936MP-33	SOT-223	Ultra-low quiescent current 3.3V reg. \$3.25	\$2.19	\$2.06	\$1.93
701766CK	NSC	LM2936Z-5	TO-92	Ultra-low quiescent current 5V reg.	1.85	1.68	1.18
239151CK	NSC	LP2951CM	SOIC-8	Adj. micropower volt. reg.	\$0.75 .35	.32	.29
277077CK	NSC	LP2952IM	SOIC-16	Adj. micropower low pwr. volt. reg. ...	2.35	1.75	1.44
51246CK	+	7805K	TO-3/2	5V 1A pos. voltage reg. (LM340K-5)	5.15	3.95	2.95
51262CK	+	7805T*	TO-220/3	5V 1A pos. voltage reg. (LM340T-5) ...	.35	.32	.28
51182CK	+	78L5CZ**	TO-92	5V 100mA pos. voltage regulator ....	.27	.24	.22
193754CK	+	78L05ACM	SOIC-8	5V 100mA pos. voltage regulator ....	.22	.21	.19
192233CK	+	78M05	TO-220/3	5V 500mA pos. voltage regulator ....	.22	.19	.17
51297CK	+	7806T	TO-220/3	6V 1A pos. voltage reg. (LM340T-6) ...	.30	.25	.21
192762CK	+	78L06ACM	SOIC-8	6.2V 100mA pos. volt. reg. ....	.22	.15	.13
51300CK	+	7808CT*	TO-220/3	8V 1A pos. voltage reg. (LM340T-8) ...	.46	.35	.27
192225CK	+	78L09ACZ	TO-92	9V 100mA pos. voltage regulator ....	.24	.23	.17
51318CK	+	7812K	TO-3/2	12V 1A pos. voltage reg. (LM340K-12)	2.19	1.79	1.59
51334CK	+	7812T**	TO-220/3	12V 1A pos. voltage reg. (LM340T-12) ...	.35	.32	.28
51203CK	+	78L12CZ*	TO-92	12V 100mA pos. voltage regulator	*	.17	.14
193771CK	+	78L12ACM	SOIC-8	12V 100mA pos. voltage regulator .....	.44	.32	.24
192241CK	+	78M12CT*	TO-220/3	12V 500mA pos. voltage regulator ....	.22	.20	.18
51369CK	+	7815K	TO-3/2	15V 1A pos. voltage reg. (LM340K-15) ..	1.19	1.12	1.03
51377CK	+	7815T*	TO-220/3	15V 1A pos. voltage reg. (LM340T-15) ..	.28	.25	.22
193789CK	+	78L15ACM	SOIC-8	15V 100mA pos. voltage regulator	*	.19	.14
192250CK	+	78M15CT	TO-220/3	15V 500mA pos. voltage regulator	*	.16	.14
194634CK	+	7818T	TO-220/3	18V 1A pos. voltage reg. (LM340T-18) ...	.45	.35	.26
51414CK	+	7824T	TO-220/3	24V 1A pos. voltage reg. (LM340T-24) ..	.36	.34	.31
51238CK	+	78S40CN	DIP-16	1.25V-40V 1.5A switching regulator ...	1.35	1.08	.87
51457CK	+	7905T*	TO-220/3	5V 1A neg. voltage reg. (LM320T-5) ...	.42	.38	.36
51422CK	+	79L05ACP	TO-92	5V 100mA neg. voltage regulator .....	.25	.22	165
193797CK	+	79L05ACM	SOIC-8	-5V 100mA neg. voltage regulator ....	.41	.14	.12
51449CK	+	79M05CT*	TO-220/3	3-terminal negative voltage regulator ...	.38	.33	.30
51481CK	+	7912CT*	TO-220/3	12V 1A neg. voltage reg. (LM320T-12) ..	.31	.27	.21
51431CK	+	79L12CZ	TO-92	12V 100mA pos. voltage regulator ....	.23	.21	.16
193800CK	+	79L12ACM	SOIC-8	-12V 100mA neg. voltage regulator	*	.15	.13
51502CK	+	7915CT*	TO-220/3	15V 1A neg. voltage reg. (LM320T-15) ..	.32	.27	.22
194749CK	+	79L15ACZ	TO-92	15V 100mA neg. voltage regulator ....	.41	.33	.28
193818CK	+	79L15ACM	SOIC-8	-15V 100mA neg. voltage regulator .....	.22	.21	16
316881CK	+	MC34063AD	SOIC-8	1.5A Step-up/down inverting switch reg. ....	.52	.432	.353
316945CK	+	MC34063AP1	DIP-8	1.5A Step-up/down inverting switch reg. ....	.66	.473	.437
314317CK	ANA	AP34063N	DIP-8	1.6A adjustable voltage regulator ....	.75	.66	.499

* 10 pcs. included in Linear kit, right ** 20 pcs. in Linear kit, right + Jameco Value Offering @ Blue P/N = Limited Qty Available

*10 pcs. included in Linear kit, right **20 pcs. in Linear kit, right ♦ Jameco Value Offering ⚙ Blue P/N = Limited Qty Available

Audio

Package (see pg 36)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277624CK	◆	INA103KP	⊕ DIP-16	Low noise/distortion instr. amp.	\$9.35	\$8.95	\$8.50
277632CK	◆	INA103KU	⊕ SOIC-16	Low noise/distortion instr. amp.	7.95	7.45	6.91
278408CK	◆	TPA112D	⊕ SOIC-8	150mW stereo aud. pwr amp, diff in. ....	.81	.69	.52
310560CK	◆	TPA112D	⊕ SOIC-8	150mW stereo aud. pwr amp, sgl in./ch.	98.83	.71	.64
243678CK	ADI	OP275GP	⊕ DIP-8	Dual JFET audio op amp.	1.95 1.75	1.61	1.47
243660CK	ADI	OP275GS	⊕ SOIC-8	Dual JFET audio op amp.	1.85	1.57	1.18
24037CK	NSC	LM380N	⊕ DIP-14	2-watt audio power amp. ....	.94	.87	.63
24088CK	NSC	LM383T	T0-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096CK	NSC	LM384N	⊕ DIP-8	5-watt audio amp.	1.22	.91	.69
193623CK	◆	LM386M-1	⊕ SOIC-8	Low volt. audio power amp. 250mW/12V ....	.26	.24	.22
24125CK	◆	LM386N-1	* ⊕ DIP-8	Low voltage audio amp. 250mW/6V ....	.48	.35	.29
24133CK	◆	LM386N-3	* ⊕ DIP-8	Low voltage audio amp. 500mW/9V ....	.69	.59	.49
24483CK	NSC	LM725CN	⊕ DIP-8	Instrumentation op amplifier	2.19	1.68	1.29
279697CK	NSC	LM833D	⊕ SOIC-8	Dual audio op amp. ....	.28	.26	.23
120942CK	NSC	LM833N	⊕ DIP-8	Dual audio op amp. ....	.71	.60	.45
295718CK	NSC	LM1203N	⊕ DIP-28	RGB video amp.	4.55	4.09	3.69
24942CK	ON	MC1350P	DIP-8	Video IF amp (12V operation)	1.95	1.85	1.75
23270CK	NSC	LM1875T	⊕ T0-220/5	20-watt power audio amplifier	1.79	1.74	1.49
355477CK	NSC	LM1875SL	⊕ T0-220/5	20-watt audio power amplifier	1.12	1.03	1.02
23288CK	NSC	LM1877N-9	⊕ DIP-8	Dual power audio amplifier ....	.95	.81	.61
245542CK	NSC	LM1881M	⊕ SOIC-8	Video synchronous separator	1.95	1.75	1.55

* 10 pcs. included in Linear kit, right ♦ Jameco Value Offering

Audio (Continued)

Package (see pg 36)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107140CK	NSC	LM1881N	DIP-8	Video synchronous separator	\$2.69	\$2.05	\$1.55
243547CK	NSC	LM1894N	DIP-14	DNR noise reduction	2.69	2.48	2.24
302519CK	NSC	LM1971M	SOIC-8	Audio attenuator with mute	2.49	1.89	1.65
302447CK	NSC	LM1972M	SOIC-20	2-channel audio attenuator	3.45	3.05	2.89
302421CK	NSC	LM1972N	DIP-20	2-channel audio attenuator	4.19	3.65	3.50
32897CK	ST	TDA2002V	TQFP-20	8-watt audio high power amp.	3.75	3.35	3.00
315344CK	ST	TDA2040V	PDIP-8	20W hi-fi audio power amp	2.45	2.25	2.14
275830CK	ADI	OPA2134PA	DIP-8	High-performance audio op amp.	2.39	1.93	1.67
275821CK	ADI	OPA2134UA	SOIC-8	High-performance audio op amp.	2.25	2.02	1.82
312063CK	✦	SSM2141P	DIP-8	High common-mode rejection diff. line rec.	3.19	2.79	2.69
252013CK	NSC	LM3875T	TQFP-16	56W high perf. audio power amp.	5.19	4.11	3.70
126834CK	NSC	LM3876T	TQFP-16	40W high perf. audio amp w/ mute ...	4.09	3.49	3.45
320670CK	NSC	LM3886TF	TQFP-16	68W high perf. audio amp, isol. pkg.	4.55	3.49	2.70
192516CK	NSC	LM3886T	TQFP-16	68W high perf. audio amp	4.35	3.32	2.49
302201CK	NSC	LM4752T	TQFP-20	Stereo 11W audio power amp	2.15	1.60	1.20
302199CK	NSC	LM4860M	SOIC-16	1W audio power amp w/ shutdown mode	1.29	.97	.72
267047CK	NSC	LM4864M	SOIC-8	725mW audio pwr amp w/ shutdown mode	1.31	.97	.71
302181CK	NSC	LM4871M	SOIC-8	3W audio power amp w/ shutdown mode	1.05	.78	.57
316873CK	MOT	MC34119D	DIP-8	LP audio amp (500mW, 16VDC)	0.93	.56	.37
316865CK	MOT	MC34119P	DIP-8	LP audio amp (500mW, 16VDC)	1.02	.66	.61

✦ **Gamma Value Offering** **Blue P/N** = Limited Quantity Available

◆ Jameco Value Offering ⊕ Blue P/N = Limited Quantity Available

Comparators

Package (see pg 36)

* Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311052CK	NSC	LM111H⊕	TO-5/8	Voltage comparator	\$.339	\$2.60	\$2.01
311044CK	NSC	LM111J-8⊕	DIP-8	Voltage comparator	4.35	3.32	3.20
282061CK	◆	LM139D⊕	SOP-14	Low pwr, low offset volt quad comp. ....	.95	.80	.60
282087CK	◆	LM139J⊕	CDIP-14	Low pwr, low offset volt quad comp.	3.25	2.90	2.60
302501CK	NSC	LM193H⊕	TO-5	Dual low-power comparator	4.45	3.43	2.65
302391CK	◆	LM211D⊕	SOIC-8	Hi-speed, strobed diff. comparator .....	.35	.29	.25
302383CK	◆	LM211P⊕	DIP-8	Hi-speed, strobed diff. comparator .....	.21	.18	.15
302367CK	◆	LM219D⊕	SOIC-14	Dual high speed voltage comparator .....	.80	.75	.70
302287CK	◆	LM239D⊕	SOIC-14	Low power low offset volt quad comp .....	.25	.23	.20
212126CK	◆	LM239N⊕	DIP-14	Low power low offset volt quad comp .....	.20	.17	.127
213188CK	◆	LM306N⊕	DIP-8	Differential comparator w/ strobes .....	.69	.56	.43
193543CK	◆	LM311D⊕	SOIC-8	Voltage comparator .....	.37	.30	.22
23528CK	◆	LM311N*⊕	DIP-8	Voltage comparator .....	.35	.25	.19
251918CK	◆	LP311D⊕	SOIC-8	Voltage comparator .....	.76	.65	.48
239193CK	◆	LP311P⊕	DIP-8	Differential comparator	\$0.76	.49	.42
245690CK	◆	LM319M⊕	SOIC-14	High speed dual comparator .....	.37	.32	.24
23632CK	◆	LM319N⊕	DIP-14	High speed dual comparator .....	.31	.27	.24
246537CK	◆	LM339AM⊕	SOIC-14	Low power low offset volt quad comp ....	.65	.39	.293
143888CK	◆	LM339AN⊕	DIP-14	Low power quad comparator .....	.29	.23	.193
193594CK	◆	LM339M⊕	SOIC-14	Low power low offset volt quad comp ....	.27	.23	.20
23851CK	◆	LM339N*⊕	DIP-14	Quad comparator	*	.19	.165
251977CK	◆	LP339M⊕	SOIC-14	Ultra-low power quad comparator .....	.81	.68	.50
212099CK	◆	LP339N⊕	DIP-14	Quad low power comparator .....	.30	.28	.21
312047CK	TI	TLC372CD⊕	SOIC-8	LinCMOS dual differential comp	\$0.76	.65	.54
312055CK	TI	TLC372CP⊕	DIP-8	LinCMOS dual differential comp .....	.65	.64	.52
314712CK	◆	TLC374CD	SOP-14	LinCMOS quad differential comp .....	.85	.71	.61
314704CK	◆	TLC374CN⊕	DIP-14	LinCMOS quad differential comp .....	.76	.64	.51
310404CK	◆	TS374IN⊕	DIP-14	Quad low power CMOS volt comp .....	.93	.80	.72

* 10 pcs. included in Linear kit, below ** 20 pcs. in Linear kit, below ♦ Jameco Value Offering ⊕ Blue P/N = Limited Qty Available

Linear and Interface IC Kit SAVE \$70

SAVE \$70




10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

84988CK

Part No.	Description	Wt. (lbs.)	1	10
84988CK	480 pcs. (40 types) analog IC kit	6.0	\$182.95	\$164.65
130411CK	Refill for 84988CK (480 pcs.)	1.3	169.95	145.95


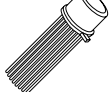
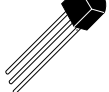
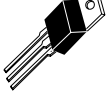


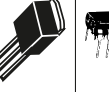
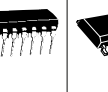
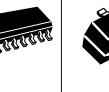




Comparators, Buffers & Op Amps

RoHS  RoHS Compliant Product
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Details on Page 1

Color Code Legend
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TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering 

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Comparators (Continued)

Package (see above)

				* Minimum order 10 pieces		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10 100
246633CK	+	LM392M	SOIC-8	Low power op amp/volt comp	\$1.09	\$.93 \$.69
120900CK	+	LM392N	DIP-8	Low power op amp/volt comp	1.18	1.06 .79
246641CK	+	LM393AM	SOIC-8	Low pwr low offset volt dual comp	.41	.33 .245
212177CK	+	LM393AN	DIP-8	Low pwr low offset volt dual comp	*	.175 .135
193631CK	+	LM393D	SOIC-8	Low pwr offset voltage dual comp	20	.11 .10
24281CK	+	LM393N	DIP-8	Dual comparator	.20	.18 .17
277093CK	+	LMV393M	SOIC-8	Low volt general purpose dual comp	.85	.62 .46
315328CK	+	TL712CD	SOIC-8	Differential comparator	1.25	1.06 .86
214041CK	TI	TL712CP	DIP-8	Differential comparator	1.00	.54 .49
278256CK	TI	TL714CP	DIP-8	High speed differential comparator	2.55	2.49 2.15
277173CK	NSC	LMC7211AIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.35	1.20 .89
277190CK	NSC	LMC7211BIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.25	1.05 .85
277114CK	NSC	LMC7221AIM	SOIC-8	Comp w/ rail-to-rail input, open drain output	1.55	1.31 1.08
297844CK	+	MAX902CSD	SOIC-14	Hi-speed low pwr precision volt comp	8.49	7.63 6.87
291143CK	LTC	LT1016CN	DIP-8	Fast precision comparator 10ns	4.55	3.55 3.45
312266CK	LTC	LT1016CS8	SOIC-8	Ultra-fast precision 10ns comparator	4.89	3.55 2.76
310279CK	TI	TLV2352ID	SOIC-8	LinCMOS dual low volt diff comp	1.69	1.55 1.49
280006CK	TI	TLV2354IN	DIP-14	LinCMOS quad low volt diff comp	2.55	2.45 2.31
245577CK	+	LM2901M	SOIC-14	Low pwr low offset volt quad comp	.25	.22 .18
23296CK	+	LM2901N	DIP-14	Quad comparator	*	.13 .12
245614CK	+	LM2903M	SOIC-14	Low power low offset volt dual comp	.25	.21 .16
23309CK	+	LM2903N	DIP-8	Low power low offset volt dual comp	.31	.27 .21
311036CK	TI	TL3016CD	SOIC-8	Ultra-fast low pwr precision comp	1.85	1.47 1.12
278213CK	TI	TL3016ID	SOIC-8	Ultra-fast low pwr precision comp	2.09	1.95 1.83
278230CK	TI	TL3116CD	SOP-8	Ultra-fast low pwr precision comp	1.85	1.60 1.50
278221CK	TI	TL3116ID	SOP-8	Ultra-fast low pwr precision comp	1.85	1.75 1.62
245711CK	+	LM3302D	SOIC-14	Low pwr low offset volt quad comp	.54	.46 .34
107238CK	+	LM3302N	DIP-14	Low pwr low offset volt quad comp	.33	.28 .21
309964CK	+	TLC3704CD	SOIC-14	LinCMOS Quad micro volt comp	\$0.99	.84 .70 .58
280137CK	+	TLC3704CN	DIP-14	Quad uPwr LinCMOS volt comp	1.00	.90 .84
277202CK	NSC	LMC6772AIM	SOIC-8	Dual uPwr rail-to-rail input w/ open drain output	2.35	1.81 1.35

* 10 pcs. in Linear kit, pg 37  Blue Part No. = Limited Quantity Available

Buffers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10 100
23051CK	+	LH0002CN	DIP-10	General purpose buffer	\$12.25	\$10.25 \$7.95
277552CK	TI	BUF634P	DIP-8	250mA high speed buffer	5.05	5.00 4.78
277544CK	TI	BUF634T	TO-220	250mA high speed buffer	7.85	7.60 6.35
277579CK	TI	BUF634U	SOIC-8	250mA high speed buffer	5.45	5.15 4.79
300249CK	LTC	LT1010CN8	DIP-8	150mA high speed buffer	3.65	2.45 2.13

Op Amps

Package (see above)



Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10 100
27852CK	+	OP07CP	DIP-8	Ultra-low offset voltage op amp	\$.61	\$.59 \$.56
252988CK	+	OP07DP	DIP-8	Very low offset single bipolar op amp	.62	.52 .39
23106CK	+	LM10CLN	DIP-8	Low voltage (1.1 volt) op amp	1.69	1.57 1.42
120715CK	+	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90 1.43
120723CK	NSC	LM12CLK	TO-3/4	80W op amp	17.05	16.10 15.30
213090CK	+	TL022CP	DIP-8	Dual low power op amp	\$0.64	.58 .53 .48
252996CK	+	OP27EZ	CDIP-8	Low noise hi spd prec op amp	12.25	11.50 11.05
115300CK	+	OP27EP	DIP-8	Low noise precision op amp	4.39	3.57 3.05
115318CK	+	OP27GP	DIP-8	Low noise prec op amp (-40° to 80°C)	1.89	1.54 1.15
275805CK	TI	OPA27GP	DIP-8	Ultra-low noise precision op amp	2.05	1.95 1.79
275784CK	TI	OPA27GU	SOIC-8	Ultra-low noise precision op amp	2.05	1.35 1.01

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10 100
253032CK	+	TL031CD	SOIC-8	Enhanced JFET low pwr/offset op amp	\$.71	\$.60 \$.47
213102CK	+	TL031CP	DIP-8	Enhanced JFET low pwr/offset op amp	.71	.60 .45
279671CK	+	TL032ACP	DIP-8	Enhanced JFET low pwr/offset op amp	1.85	1.67 1.51
253059CK	+	TL032CD	SOIC-8	Enhanced JFET low pwr/offset op amp	\$0.99	.67 .61 .56
213111CK	+	TL032CP	DIP-8	Enhanced JFET low pwr/offset op amp	.71	.66 .64
253235CK	+	TL034CD	SOIC-14	Enhanced JFET low pwr/offset op amp	1.04	.91 .83
214068CK	+	TL034CN	DIP-14	Enhanced low pwr/offset op amp	1.05	.89 .82
275768CK	+	OPA37GP	DIP-8	Ultra-low noise precision op amp	2.45	2.19 1.97
275750CK	+	OPA37GU	SOIC-8	Ultra-low noise precision op amp	2.15	2.05 1.97
213129CK	+	TL052ACP	DIP-8	Enh. JFET low offset op amp	\$3.95	3.69 3.34 3.03
309981CK	+	TL052CD	SOIC-8	Dual Enhanced JFET prec op amp	\$1.49	1.27 1.03 .77
253243CK	+	TL054ACD	SOIC-14	Enhanced JFET low offset op amp	6.25	5.61 4.35
213153CK	+	TL054ACN	DIP-14	Enhanced JFET low offset op amp	4.25	3.99 2.79
213145CK	+	TL054CN	DIP-14	Enh. JFET low offset op amp	.69	.63 .57
242106CK	+	TL061IP	DIP-8	Low power JFET op amp	.79	.67 .50
252283CK	+	TL062ACD	SOIC-8	Low power JFET input op amp	.59	.50 .38
33161CK	+	TL062CP	DIP-8	Low power JFET op amp (high slew)	.27	.25 .22
253139CK	+	TL064BCN	DIP-14	Low power JFET input op amp	.69	.59 .44
33179CK	+	TL064CN	DIP-14	Low power JFET input op amp	.53	.42 .32
213081CK	+	TL071ACP	DIP-8	Low noise JFET input op amp	.59	.44 .32
33187CK	+	TL071CP	DIP-8	Low noise JFET op amp	.33	.31 .29
278264CK	+	TL071CD	SOIC-8	Wide-band, high-output drive op amp	.99	.90 .68
278272CK	+	TLC071IP	DIP-8	Wide-band, high-output drive op amp	.99	.89 .76
213073CK	+	TL072ACP	DIP-8	Low noise JFET input op amp	.56	.43 .31
253147CK	+	TL072BCP	DIP-8	Low noise JFET input op amp	.65	.55 .41
193501CK	+	TL072CD	SOIC-8	Low noise JFET dual op amp	.26	.22 .165
33195CK	+	TL072CP	DIP-8	Low noise JFET dual op amp	.26	.25 .24
278299CK	+	TLC072CD	SOIC-8	Wide-band, high-output drive op amp	1.45	1.12 1.06
278281CK	+	TLC072CP	DIP-8	Wide-band, high-output drive op amp	1.11	.90 .85
213065CK	+	TL074BCN	DIP-14	Low noise JFET input op amp	.51	.43 .37
193519CK	+	TL074CD	SOIC-8	Low noise JFET quad op amp	.26	.22 .165
33216CK	+	TL074CN	DIP-14	Low noise JFET quad op amp	.48	.43 .345
278336CK	+	TL074CD	SOIC-14	Wide-band, high-output drive	1.95	1.64 1.43
278328CK	+	TLC074CN	DIP-14	Wide-band, high-output drive	1.85	1.51 1.43
278352CK	+	TLC080AIP	DIP-8	Wide-band, high-output drive, impr. offset	1.08	.90 .82
278344CK	+	TL080IP	DIP-8	Wide-band, high-output drive	1.08	.95 .82
213057CK	+	TL081ACP	DIP-8	JFET input op amp, low offset w/ control	.46	.42 .31
253155CK	+	TL081CD	SOIC-8	JFET input op amp	.39	.33 .25
33232CK	+	TL081CP	DIP-8	JFET input op amp, offset control	.31	.30 .26
214076CK	+	TL082ACP	DIP-8	JFET input op amp, low offset	.34	.32 .29
253198CK	+	TL082BCP	DIP-8	JFET input op amp, lowest offset	.62	.46 .37
193527CK	+	TL082CD	SOIC-8	JFET input dual op amp	*	.16 .14
33241CK	+	TL082CP	DIP-8	JFET input dual op amp	.53	.40 .30
214084CK	+	TL084ACN	DIP-14	JFET input op amp	.34	.32 .27
253219CK	+	TL084BCD	SOIC-14	JFET input op amp	.56	.51 .45
193535CK	+	TL084CD	SOIC-14	JFET input quad op amp	.30	.29 .25
33267CK	+	TL084CN	DIP-14	JFET input quad op amp	.43	.40 .37
282626CK	+	LM124D	SOIC-14	Low power quad op amp mil temp	.69	.55 .49
126818CK	+	LM124J	CDIP-14	Low power quad op amp mil temp	2.59	2.40 1.80
276488CK	TI	OPA124U	SOIC-8	Low noise prec. DIFET op amp	7.49	7.15 6.85
276496CK	TI	OPA124UA	SOIC-8	Low noise prec. DIFET op amp, low offset	8.95	8.55 8.15
275856CK	TI	OPA130UA	SOIC-8	Low power precision FET input	2.65	2.55 2.42
243686CK	+	OPA137PA	DIP-8	FET op amp	1.39	1.31 1.25
243694CK	+	OPA137UA	SOIC-8	FET input op amp	1.33	1.30 1.28

* 10 pcs. in Linear kit, pg 37  Blue Part No. = Limited Quantity Available

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Op Amps (Continued)

Package (see pg 38)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
302480CK	+	LM158H	TO-5	Low power dual op amp	\$4.19	\$3.22	\$2.41
302412CK	+	LM201AD	SOIC-8	Op amp industrial temp	.45	.42	.40
302404CK	+	LM201AN	DIP-8	Op amp industrial temp	.58	.55	.50
302341CK	+	LM224D	SOIC-14	Low power quad industrial temp	.25	.23	.20
302359CK	+	LM224J	CDIP-14	Low power quad industrial temp	3.65	3.35	3.00
212118CK	+	LM224AN	DIP-14	Low power quad industrial temp	.21	.19	.17
275813CK	TI	OPA234UA	SOIC-8	Low pwr precision single supply	2.15	1.92	1.73
315230CK	+	TLC252BCD	SOIC-8	LinCMOS dual op amp	\$2.19	1.85	1.65 1.25
315221CK	+	TLC252BCP	DIP-8	LinCMOS dual op amp	2.19	2.16	2.14
302261CK	+	LM258D	SOIC-8	Low pwr dual op amp industrial temp	.25	.23	.20
212142CK	+	LM258N	DIP-8	Low pwr dual op amp industrial temp	.35	.32	.29
279742CK	TI	TLC271CD	SOIC-8	LinCMOS prog low pwr op amp	.75	.58	.43
279734CK	TI	TLC271CP	DIP-8	LinCMOS prog low pwr op amp	.55	.50	.37
279806CK	+	TLC272CD	SOIC-8	LinCMOS prec. dual op amp	.60	.52	.39
143917CK	+	TLC272CP	DIP-8	LinCMOS prec. dual op amp	.72	.55	.46
280233CK	TI	TLC272CD	SOIC-8	LinCMOS prec. dual op amp, high gain	.62	.52	.39
280225CK	TI	TLC272LCP	DIP-8	LinCMOS prec. dual op amp, high gain	.53	.49	.40
280188CK	TI	TLC272CD	SOIC-8	LinCMOS prec. dual op amp, med. gain	.62	.53	.39
280170CK	TI	TLC272MCP	DIP-8	LinCMOS prec. dual op amp, med. gain	.62	.52	.39
242000CK	+	TLC274ACN	DIP-14	Quad precision op amp, low offset	.71	.66	.60
242018CK	+	TLC274BCN	DIP-14	Quad prec op amp, lower offset	.88	.82	.78
242026CK	+	TLC274CN	DIP-14	CMOS precision quad op amp	.57	.48	.43
242034CK	+	TLC274IN	DIP-14	Quad CMOS op amp	.72	.61	.46
280217CK	TI	TLC274CD	SOIC-14	LinCMOS prec. quad op amp, high gain	.74	.63	.47
280209CK	TI	TLC274CN	DIP-14	LinCMOS prec. quad op amp, high gain	.57	.54	.48
280161CK	TI	TLC274MCD	SOIC-14	LinCMOS prec. quad op amp, med. gain	.73	.62	.46
312784CK	+	TLC277CD	SOIC-8	LinCMOS prec. dual op amp, low offset	1.49	1.37	1.31
280241CK	+	TLC277CP	DIP-8	Prec. dual op amp, low offset	1.47	1.18	.88
280196CK	TI	TLC277CD	SOIC-8	Prec. dual op amp, high gain, low offset	1.34	1.18	1.12
280145CK	TI	TLC277MCD	SOIC-8	Prec. dual op amp, med. gain, low offset	1.35	1.23	1.12
280153CK	TI	TLC277MCP	DIP-8	Prec. dual op amp, med. gain, low offset	1.39	1.24	1.12
245665CK	+	LM301AH	TO-5/8	Operational amplifier	2.15	1.64	1.27
212151CK	+	LM301AN	DIP-8	Operational amplifier	.34	.32	.28
245673CK	+	LM308AH	TO-5/8	Precision op amplifier	3.29	2.51	1.95
23464CK	+	LM308N	DIP-8	Precision op amplifier	5.49	4.99	4.36
245681CK	+	LM318M	SOIC-8	Precision high speed op amplifier	1.15	.98	.73
23608CK	+	LM318N	DIP-8	Precision high speed op amplifier	.59	.54	.48
245702CK	+	LM324AM	SOIC-14	Low power quad op amp, impr. offset	.29	.25	.21
212169CK	+	LM324AN	DIP-14	Low power quad op amp, impr. offset	.29	.25	.22
86721CK	+	LM324D	SOIC-14	Low power quad op amplifier	.21	.18	.16
23683CK	+	LM324N	DIP-14	Low power quad op amplifier	.28	.24	.21
192559CK	+	LP324N	DIP-14	Micropower quad op amplifier	.75	.59	.45
241963CK	+	LMV324M	SOIC-14	Low voltage, general purpose	.72	.55	.42
245438CK	+	LF347BD	SOIC-14	Quad JFET input (wide B/W, impr. offset)	1.15	1.10	1.07
245420CK	+	LF347M	SOIC-14	Quad JFET input (wide bandwidth)	.75	.65	.50
22904CK	+	LF347N	DIP-14	Quad JFET input op amp (wide band)	.35	.29	.24
275776CK	+	OPA347PA	DIP-8	Micropower rail-to-rail op amp	1.15	.97	.80
246570CK	+	LM348M	SOIC-14	Quad 741 op amplifier	.89	.71	.52
23915CK	+	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.24	.18	.14
22912CK	+	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
245518CK	+	LF353D	SOIC-8	Dual JFET input (wide bandwidth)	.37	.30	.23
22939CK	+	LF353N	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.37	.35
193607CK	+	LF356M	SOIC-8	JFET input op amplifier (wide band)	.68	.50	.38
22971CK	+	LF356N	DIP-8	JFET input op amplifier (wide band)	.79	.67	.49
22998CK	+	LF357N	DIP-8	JFET input op amp (wide band decomp.)	2.55	2.30	1.72
246588CK	+	LM358AM	SOIC-8	Low power dual op amp., impr. offset	.23	.22	.165
120862CK	+	LM358AN	DIP-8	Low power dual (improved 358N)	.29	.25	.23
193615CK	+	LM358BD	SOIC-8	Low power dual op amplifier	.21	.18	.14
23966CK	+	LM358N	DIP-8	Low power dual op amplifier	.24	.21	.18
277106CK	+	LMV358M	SOIC-8	Low volt rail-to-rail output dual	.85	.62	.46
276736CK	+	MAX410CPA	DIP-8	Single 28MHz low noise, low volt prec	4.65	4.25	3.79
119941CK	+	LF411ACN	DIP-8	Low offset low drift JFET input	2.95	2.62	2.00
23018CK	+	LF411CN	DIP-8	Low offset drift JFET input op amp	1.35	1.00	.75
193640CK	+	LF412CD	SOIC-8	Low offset drift JFET input dual	.27	.24	.22
23026CK	+	LF412CN	DIP-8	Low offset drift JFET input dual	1.03	.76	.56
106681CK	+	LF442CN	DIP-8	Dual low power JFET input op amp	1.35	.99	.55

*10 pcs. in Linear kit, pg 37 **20 pcs. in Linear kit, pg 37 + Jameco Value Offering

Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

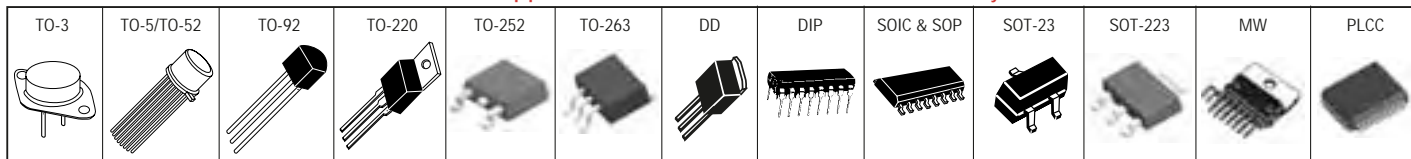
Op Amps (Continued)

Package (see pg 38)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
119984CK	+	LF444ACN	DIP-14	Quad low pwr JFET input op amp, low Vos	\$1.99	\$1.85	\$1.78
119992CK	+	LF444CN	DIP-14	Quad low pwr JFET input op amp	1.38	1.02	.69
312805CK	ADI	OP467GP	DIP-14	Quad precision high speed op amp	12.09	11.48	10.91
312813CK	ADI	OP467GS	SOIC-16	Quad precision high speed op amp	\$9.89	8.45	7.25 6.35
276613CK	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	4.45	4.05	3.63
276541CK	MAX	MAX492CPA	DIP-8	Dual upwr, single supply rail-to-rail	5.09	4.05	3.63
276533CK	MAX	MAX492CSA	SOIC-8	Dual upwr, single supply rail-to-rail	4.45	3.51	2.28
311773CK	MCH	MCP601-I/P	DIP-8	2.8MHz, 2.7V-5.5V single supply CMOS	.60	.55	.525
311749CK	MCH	MCP602-I/P	DIP-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.72	.71	.68
311765CK	MCH	MCP602-1/5N	SOIC-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.77	.71	.68
311731CK	MCH	MCP603-I/P	DIP-8	Single w/ CS, 2.8MHz, 2.7V-5.5V single CMOS	.63	.58	.551
311239CK	MCH	MCP6521-I/P	DIP-8	1-ch PGA low-gain single-ended rail-to-rail I/O	\$1.69	1.55	1.50 1.45
311255CK	MCH	MCP6522-I/P	DIP-8	2-ch PGA low-gain single-ended rail-to-rail I/O	1.89	1.80	1.71
311247CK	MCH	MCP6522-1/5N	SOIC-8	2-ch PGA low-gain single-ended rail-to-rail I/O	\$2.09	1.85	1.78 1.72
310367CK	ADI	AD626AN	DIP-8	Low-cost single supply diff amplifier	5.75	5.69	5.35
313314CK	ADI	AD626AR	SOIC-8	Low-cost single supply diff amplifier	5.95	5.62	5.36
311221CK	MCH	MCP6528-I/P	DIP-8	8-ch prog. low-gain single-ended rail-to-rail I/O	3.35	3.18	3.03
267266CK	+	LMC660CM	SOIC-14	CMOS quad operational amplifier	1.55	1.16	.87
143976CK	+	LMC660CN	DIP-14	CMOS quad operational amplifier	1.35	1.20	.90
120926CK	+	LM675T	TO-220/5	Power op amplifier	4.75	4.05	4.01
24491CK	+	LM733CN	DIP-14	Differential amplifier	1.15	.99	.89
24521CK	+	LM741CH	TO-5/8	Op amplifier	2.75	2.45	2.23
24539CK	+	LM741CN	DIP-8	Op amplifier	.29	.25	.19
24563CK	+	LM747CN	DIP-14	Dual 741 op amplifier	4.19	3.85	3.39
299938CK	+	LM747H	TO-10	Dual op amplifier	3.59	3.29	3.07
311132CK	ADI	AD811AN	DIP-8	High performance video op amp	5.75	5.24	4.84
277085CK	NSC	LMV824M	SOIC-14	5MHz quad low pwr, low volt, rail-to-rail	1.45	1.05	.92
246668CK	NSC	LM837M	SOIC-14	Low noise quad operational amp	1.29	1.00	.75
143896CK	NSC	LM837N	DIP-14	Low noise quad operational amp	1.35	1.12	.82
239222CK	LTC	LT1001CN8	DIP-8	Precision op amplifier	2.05	1.65	1.24
239231CK	LTC	LT1002CN	DIP-14	Dual matched precision op amp	4.09	3.17	2.45
239214CK	LTC	LT1006CN8	DIP-8	Precision op amplifier	2.39	1.61	1.38
300231CK	LTC	LT1007CS8	SOIC-8	Low noise high speed precision	3.45	2.30	1.83
239273CK	LTC	LT1012CN8	DIP-8	Picoamp input curr, microvolt offset, low noise	3.95	2.80	2.34
239169CK	+	LT1013CP	DIP-8	Dual precision op amplifier	1.16	.94	.71
252005CK	+	LT1013DD	SOIC-8	Dual precision op amplifier	.86	.73	.55
239177CK	+	LT1014DN	DIP-14	Quad precision op amplifier	3.29	2.99	2.89
300193CK	LTC	LTC1050CN8	DIP-8	Precision zero-drift w/ int. cap	3.65	2.48	2.09
193682CK	+	LM1458M	SOIC-8	Dual op amplifier	.26	.22	.18
23131CK	+	LM1458N	DIP-8	Dual op amplifier	.29	.26	.20
302498CK	+	LM1815N-ND	DIP-14	Adaptive variable sensor amp	3.05	2.32	1.79
310172CK	TI	TLE2021CD	SOIC-8	Excalibur hi speed low pwr prec	1.05	.86	.79
280129CK	TI	TLE2021CP	DIP-8	Excalibur hi speed low pwr prec	1.05	.88	.66
310236CK	TI	TLE2022CD	SOIC-8	Excal hi spd LP dual prec op amp	\$1.69	1.35	1.30 1.27
280111CK	TI	TLE2022CP	DIP-8	Excal hi spd LP dual prec op amp	1.39	1.25	1.18
280102CK	TI	TLE2024CDW	SOIC-16	Excal hi spd LP quad prec op amp	2.65	2.56	2.29
280090CK	TI	TLE2024CN	DIP-14	Excal hi spd LP quad prec op amp	2.65	2.53	2.28
310658CK	TI	TLE2027CD	SOIC-8	Excal hi spd LP low offset prec op amp	1.75	1.65	1.55
310682CK	TI	TLE2072CD	SOIC-8	Excalibur low noise hi speed JFET input	\$2.05	1.75	1.48 1.31
310674CK	TI	TLE2072CP	DIP-8	Excalibur low noise hi speed JFET input	1.89	1.85	1.77
275848CK	TI	OPA2131UJ	SOIC-8	General purpose FET-input op amp	2.55	2.45	2.34
279996CK	TI	TLV2450CP	DIP-8	Rail-to-rail I/O op amp w/ shutdown	.92	.85	.63
279988CK	TI	TLV2451CD	SOIC-8	Rail-to-rail I/O op amp	1.09	.97	.90
279970CK	TI	TLV2451CP	DIP-8	Rail-to-rail I/O op amp	1.09	.96	.90
272209CK	TI	TLV2454CD	SOIC-14	4-ch r-r I/O op amp	1.85	1.76	1.59
279961CK	TI	TLV2454CN	DIP-14	4-ch r-r I/O op amp	1.85	1.75	1.60
310308CK	TI	TLV2474CD	SOIC-14	Quad LP r-r input/output w/ shdwn	2.09	1.79	1.73
279945CK	TI	TLV2474CN	DIP-14	2.8MHz r-r I/O hi drive w/shdwn	1.85	1.70	1.57
279953CK	TI	TLV2474IN	DIP-14	2.8MHz r-r I/O hi drive w/shdwn, ext. temp.	1.95	1.80	1.65
315096CK	+	TLCT2128CD	SOIC-8	LinCMOS precision dual op amp	\$0.75	.64	.59 .58
315088CK	+	TLCT2728CP	DIP-8	LinCMOS precision dual op amp	\$0.69	.59	.49 .40
315061CK	+	TLCT274ACD	SOIC-14	LinCMOS precision quad op amp	\$0.79	.67	.56 .49
315053CK	+	TLCT274ACN	DIP-14	LinCMOS precision quad op amp	\$0.71	.60	.51 .48
245606CK	+	LM2902M	SOIC-14	Low power quad op amplifier	.25	.21	.16
57007CK	+	LM2902N	DIP-14	Low power quad op amplifier	.25	.23	.22

*10 pcs. in Linear kit, pg 37 **20 pcs. in Linear kit, pg 37 + Jameco Value Offering

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
245622CK	+	LM2904M	SOIC-8	Low power dual op amplifier	\$.24	\$.20	\$.15
121005CK	+	LM2904N	DIP-8	Low power dual op amplifier	.23	.22	.18
278141CK	TI	THS3001CD	SOIC-8	420MHz hi-speed curr. feedback	5.05	4.95	4.79
12116CK	+	CA3080E	DIP-8	Op transconductance amp. (100135)	2.95	2.65	2.38
12183CK	+	CA3130E	DIP-8	CMOS op amplifier	.71	.68	.51
12204CK	+	CA3140E	DIP-8	Bi-MOS op amplifier	\$0.59	.41	.42
246721CK	+	MC3303D	SOIC-14	Quad op amplifier	.52	.41	.30
212193CK	+	MC3403N	DIP-14	Quad bipolar op amplifier	.42	.37	.275
246617CK	+	LM3900D	SOIC-14	Quad amplifier	.78	.66	.54
24168CK	+	LM3900N	DIP-14	Quad amplifier	.77	.65	.53
239185CK	TI	THS4031CD	SOIC-8	100MHz op amp.	3.65	3.45	3.25
278150CK	TI	THS4032CD	SOIC-8	100MHz low noise hi-speed amp.	6.05	5.65	5.26
278176CK	TI	THS4082CD	SOP-8	175MHz LP hi-speed amp.	5.29	4.95	4.63
278168CK	TI	THS4082ID	SOP-8	175MHz LP hi-speed amp., I-temp.	5.05	4.95	4.79
279929CK	TI	TLV4112CD	SOIC-8	High output drive w/ shutdown	1.75	1.44	1.35
29356CK	+	RC4136N	DIP-14	Quad op amp. (XR4136)	.68	.63	.47
275741CK	+	OPA4137PA	DIP-14	Low cost FET input op amp.	2.05	1.95	1.90
121072CK	+	LM4250CN	DIP-8	Programmable op amp.	.69	.62	.52
251256CK	TI	TLC4501ACD	SOIC-8	Prec. CMOS r-r output, low offset op amp.	2.35	2.25	2.09
300767CK	TI	TLC4501AID	SOP-8	Prec. CMOS r-r output, low offset	2.35	2.20	1.90
251264CK	TI	TLC4501CD	SOIC-8	Prec. CMOS r-r output	2.25	2.15	2.02
251281CK	TI	TLC4502AID	SOIC-8	Dual prec. CMOS r-r output, low offset	3.55	3.40	3.20
310092CK	TI	TLC4502AID	SOP-8	Dual prec. CMOS r-r output, low offset	\$3.89	3.69	3.55
251272CK	TI	TLC4502ID	SOIC-8	Dual prec. CMOS r-r output	3.25	3.15	3.01
254861CK	FSC	KA4558	DIP-8	Dual op amplifier	.41	.336	.252
251150CK	+	MC4558CD	SOIC-8	Wide bandwidth dual bipolar op amp.	.39	.30	.22
251125CK	+	MC4558CN	DIP-8	Wide bandwidth dual bipolar op amp.	\$0.31	.27	.23
311933CK	+	EL5100IS	SOIC-8	200MHz slew enhanced volt feedback	\$2.45	1.99	1.93
311941CK	+	EL5106IS	SOIC-8	350MHz fixed gain amplifier w/ enable	\$2.29	1.85	1.80
311925CK	+	EL5108IS	SOIC-8	450MHz fixed gain amplifier w/ enable	\$2.55	2.05	1.99
252970CK	+	NE5532AP	DIP-8	Dual lower noise op amplifier	\$0.69	.50	.45
27385CK	+	NE5532N	DIP-8	Dual low noise op amplifier	.66	.50	.38
27406CK	+	NE5534	DIP-8	Low noise op amplifier	.78	.66	.54
193746CK	+	NE5534D	SOIC-8	Low noise op amplifier	.56	.49	.39
311001CK	MCH	MCP6002-IP	DIP-8	1MHz bandwidth low power op amp	.45	.42	.40
310990CK	MCH	MCP6002-JSN	SOIC-8	1MHz bandwidth low power op amp	.43	.415	.40
311714CK	MCH	MCP6021-JSN	SOIC-8	2.5V, 10MHz r-r input/output	1.27	1.16	1.11
311722CK	MCH	MCP6021-IP	DIP-8	2.5V, 10MHz r-r input/output	1.27	1.24	1.18
266950CK	NSC	LMC6035IBP	µSMD-8	Low pwr 2.7V single supply CMOS	1.34	.99	.74
301241CK	NSC	LMC6035IM	SOIC-8	Low pwr 2.7V single supply CMOS	1.34	.99	.72
267039CK	NSC	LMC6041IN	DIP-8	CMOS single micropower op amp.	1.30	1.11	.83
302121CK	NSC	LM6132AIM	SOIC-8	Dual LP r-r in/out, 10MHz, lower VOS	2.85	2.65	2.55
302105CK	NSC	LM6132BIM	SOIC-8	Dual LP r-r in/out, 10MHz	2.19	2.00	1.87
302113CK	NSC	LM6132BIN	DIP-8	Dual LP r-r in/out, 10MHz	2.19	2.14	2.09
302009CK	NSC	LM6134AIM	SOIC-14	Quad LP r-r in/out, 10MHz, lower VOS	3.55	3.15	2.95
302084CK	NSC	LM6134BIM	SOIC-14	Quad LP r-r in/out, 10MHz	2.79	2.50	2.45
302076CK	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	2.79	2.50	2.45
302068CK	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	4.35	3.85	3.62
301997CK	NSC	LM6144BIM	SOIC-14	Quad r-r in/out, 17MHz	4.85	4.45	4.25
301989CK	NSC	LM6152ACM	SOIC-8	Dual r-r in/out, 75MHz GBW	3.25	3.15	3.10
301891CK	NSC	LM6171AIM	SOIC-8	Hi speed, LP low distortion, lower VOS	2.75	2.45	2.35
301882CK	NSC	LM6171BIM	SOIC-8	Hi speed, LP low distortion volt feedback	2.35	2.10	2.01
301903CK	NSC	LM6171BIN	DIP-8	Hi speed, LP low distortion volt feedback	2.35	1.80	1.40
311992CK	NSC	LM6181M	SOIC-8	100mA, 100MHz current feedback	2.15	1.85	1.42
301874CK	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	\$2.79	2.39	1.85

*10 pcs. in linear kit, pg 37

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
267063CK	NSC	LMC6442AIM	SOIC-8	Dual pwr single-supply r-r, lower VOS	\$2.25	\$2.05	\$1.85
301436CK	NSC	LMC6442IM	SOIC-8	Dual pwr r-r output single supply	2.25	1.92	1.62
301364CK	NSC	LMC6442IN	DIP-8	Dual pwr r-r output single supply	2.25	1.95	1.75
267119CK	NSC	LMC6462AIM	SOIC-8	Dual pwr singl-supply r-r I/O CMOS, lower VOS	2.39	2.16	1.95
126906CK	NSC	LMC6462AIN	DIP-8	µpwr r-r I/O CMOS op amp., lower VOS	2.59	2.25	2.02
126893CK	NSC	LMC6482AIM	DIP-8	CMOS dual r-r input/output, lower VOS	1.89	1.43	1.07
251168CK	NSC	LMC6482AIM	SOIC-8	CMOS dual r-r input/output, lower VOS	1.79	1.36	1.02
267127CK	NSC	LMC6482IM	SOIC-8	CMOS dual r-r I/O op amp.	1.55	1.15	.86
267223CK	NSC	LMC6482IN	DIP-8	CMOS dual r-r I/O op amp.	1.55	1.13	.84
267240CK	NSC	LMC6484AIM	SOIC-14	CMOS quad r-r I/O op amp., lower VOS	2.75	2.09	1.75
301356CK	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O op amp., lower VOS	\$4.09	2.99	2.09
267258CK	NSC	LMC6484IM	SOIC-14	CMOS quad r-r I/O op amp.	2.15	1.62	1.28
311811CK	NSC	LMH6702MA	SOIC-8	Single ultra low-distortion, wideband	2.99	2.48	2.40
251871CK	NSC	LMC7101AIMS	SOT-23/5	Tiny low power w/ r-r I/O	1.03	.76	.57
251900CK	NSC	LMC7111AIN	DIP-8	Tiny CMOS op amp. w/ r-r I/O	1.39	1.03	.76
301807CK	NSC	LM7171AIM	SOIC-8	Hi speed hi output current volt feedback	2.39	2.15	1.98
301794CK	NSC	LM7171AIN	DIP-8	Hi speed hi output current volt feedback	2.39	2.15	1.98
301751CK	NSC	LM7171BIM	SOIC-8	Hi speed hi output current volt feedback	2.25	2.15	1.98
301823CK	NSC	LM7171BIN	DIP-8	Hi speed hi output current volt feedback	2.35	1.95	1.75
301840CK	NSC	LM7121IM	SOIC-8	235MHz tiny low pwr. volt. feedback	2.49	1.87	1.45
301701CK	NSC	LM7301IM	SOIC-8	Low pwr r-r in/pout, 4MHz GBW	1.75	1.31	1.15
301655CK	NSC	LM7301IM5	SOT-23/5	Low pwr r-r in/pout, 4MHz GBW	1.75	1.31	.98
315281CK	+	ICL7611DCBA	SOIC-8	1.4MHz LP CMOS op amp.	\$0.85	.62	.59
315272CK	+	ICL7611DCPA	DIP-8	1.4MHz LP CMOS op amp.	\$0.76	.69	.63
311159CK	ADI	AD8091AR	SOIC-8	Dual 600MHz, 50mW, curr. feedback	4.85	4.19	3.95
312776CK	ADI	AD8042AR	SOIC-8	Low-cost, high speed r-r	\$4.65	3.95	3.05
312750CK	ADI	AD8052AR	SOIC-8	Low-cost high speed r-r	2.55	2.08	1.75
312768CK	ADI	AD8052ARM	µSO-8	Low-cost high speed r-r	3.35	2.54	2.11
255257CK	ADI	AD8091AR	SOIC-8	Low-cost high speed r-r	\$1.35	1.10	1.09
255231CK	ADI	AD8092ARM	µSO-8	Low-cost high speed r-r	1.45	1.30	1.18
311095CK	ADI	AD8307AN	DIP-8	Low-cost DC-500MHz 92dB logarithmic	13.29	12.63	12.00
311116CK	ADI	AD8307AR	SOP-8	Low-cost DC-500MHz 92dB logarithmic	9.45	7.85	7.75
255206CK	ADI	AD8510AR	SOIC-8	Prec. low noise/input bias curr. JFET input	2.09	2.05	1.96
279591CK	ADI	AD8515ART	SOT-23/5	1.8V low pwr CMOS r-r I/O	.90	.80	.70
192532CK	+	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	\$1.49	1.20	.88
277704CK	+	MC33202P	DIP-8	Low voltage r-r op amp.	.69	.59	.44
251117CK	+	MC34072D	SOIC-8	Single supply 3V-44V op amp.	.58	.54	.40
251061CK	+	MC34072P	DIP-8	Single supply 3V-44V op amp.	.91	.85	.79

Linear Series

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
25751CK	+	MF10CN	DIP-20	General purpose dual active filter	\$3.09	\$2.37	\$1.95
16301CK	+	DS0026CN	DIP-8	Dual mos clk. driver (5MHz) (TC426CPA)	5.19	4.67	4.19
239281CK	+	DG201BDJ	DIP-16	Quad analog switch	1.35	1.26	1.11
239290CK	+	DG202BDJ	DIP-16	Quad analog switch	1.99	1.90	1.81
239311CK	+	DG211BDJ	DIP-16	Quad analog switch	1.29	1.25	1.20
239329CK	+	DG211CJ	DIP-16	SPST quad channel analog switch	2.85	2.18	1.57
302332CK	+	LM231AN	DIP-8	Precision voltage to frequency con	7.25	7.10	7.02
302316CK	+	LM231N	DIP-8	Prec. volt. to frequency con	4.49	4.15	3.84
302324CK	+	LM234Z-3	TO-92	3-terminal adj. current source	2.39	1.85	1.38
302308CK	+	LM234Z-6	TO-92	3-terminal adj. current source	1.40	1.05	.78
302295CK	+	LM236D	SOIC-8	2.5V voltage reference	.70	.60	.50
291080CK	+	LM285BYZ-12	TO-92	1.2V voltage reference diode, 1% tol.	2.15	1.61	1.20
297801CK	+	LM285BYZ-25	TO-92	2.5V voltage reference diode	2.15	1.93	1.44
312354CK	+	LM285M	SOIC-8	Adjustable micropower volt reference	.96	.71	.527

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Linear Series (Continued)

Package (see pg 40)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
312362CK	✦	LM285M-1.2	SOIC-8	1.2V micropower volt reference diode	\$.79	\$.71	\$.52
312371CK	✦	LM285M-2.5	SOIC-8	2.5V micropower volt reference diode	.79	.71	.527
291055CK	✦	LM285Z-1.2	T0-92	1.2V voltage reference, 20mA	.52	.43	.38
291071CK	✦	LM285Z-2.5	T0-92	2.5V voltage reference, 10mA	.51	.48	.36
245446CK	✦	MAX301CPE	DIP-16	Precision dual hi speed analog switch	3.15	2.95	2.82
245456CK	✦	MAX301CSE	SOIC-16	Precision dual hi speed analog switch	3.75	3.57	3.40
245462CK	✦	MAX303CPE	DIP-16	Precision dual hi speed analog switch	7.75	7.30	6.22
277051CK	✦	MAX303CSE	SOIC-16	Precision dual hi speed analog switch	9.59	8.55	7.53
297828CK	✦	LM331AN	DIP-8	5V precision voltage-frequency con.	6.75	6.39	6.08
23721CK	✦	LM331N	DIP-8	Prec volt to freq convtrt (150ppm/°C)	2.19	1.69	1.30
245729CK	✦	LM334M	SOIC-8	3-terminal adjustable current source	.96	.82	.61
23739CK	✦	LM334Z	T0-92	Adjust current source	.43	.40	.30
291135CK	✦	LM336BZ-2.5	T0-92	2.5V voltage reference diode	1.16	.98	.73
297676CK	✦	LM336BZ-5.0	T0-92	5V voltage reference diode	1.55	1.16	.87
193578CK	✦	LM336M-2.5	SOIC-8	Precision 2.5V shunt regulator diode	.64	.55	.41
23771CK	✦	LM336Z-2.5	T0-92	Voltage reference (2.5V)	\$0.50	.30	.22
120871CK	✦	LM385BZ-1.2	T0-92	Voltage reference diode (1.2V ±1.5%)	.51	.46	.34
120889CK	✦	LM385BZ2.5	T0-92	Voltage reference diode (2.5V±1.5%)	\$0.51	.48	.37
24117CK	✦	LM385Z1.2	T0-92	Micropower volt ref diode (1.2V)	.49	.42	.31
24109CK	✦	LM385Z-2.5	T0-92	Voltage reference diode (2.5V±3%)	\$0.57	.37	.34
23000CK	✦	LF398N	DIP-8	Sample and hold circuit	.90	.81	.73
300983CK	✦	DG403DJ	DIP-16	Dual SPDT (NO) & SPDT (NC) analog switch	3.95	3.70	3.48
245454CK	✦	DG403DY	SOIC-16	Dual SPDT (NO) & SPDT (NC) analog switch	1.19	.78	.70
245489CK	✦	DG405DJ	DIP-16	DPST (NO) dual high speed analog switch	2.75	2.50	2.25
25641CK	✦	DG406DJ	DIP-28	1 of 16 multiplexer/demultiplexer	4.65	3.94	2.96
256516CK	✦	DG407DJ	DIP-28	Dual 8-ch multiplexer/demultiplexer	5.69	5.11	4.61
288227CK	✦	DG407DN	PLCC-28	Dual 8-ch multiplexer/demultiplexer	5.85	5.42	4.99
256532CK	✦	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.75	1.65	1.53
279582CK	✦	DG408DY	SOIC-16	1 of 8 multiplexer/demultiplexer	1.30	1.23	1.14
288243CK	✦	DG409BN	DIP-16	Dual 4-channel multiplexer/demultiplexer	4.05	3.95	3.87
288260CK	✦	DG409DJ	DIP-16	Dual 4-channel multiplexer/demultiplexer	1.25	1.15	1.05
279574CK	✦	DG409DY	SOIC-16	Dual 4-channel multiplexer/demultiplexer	1.32	1.25	.93
243643CK	✦	DG411DJ	DIP-16	Quad SPST (NC) analog switch	1.99	1.89	1.73
243651CK	✦	DG411DY	SOIC-16	Quad SPST (NC) analog switch	1.89	1.80	1.35
256516CK	✦	DG412DJ	DIP-16	Quad SPST (NO) analog switch	1.59	1.05	.89
245358CK	✦	DG412DY	SOIC-16	Quad SPST (NO) analog switch	1.35	1.23	1.02
272137CK	✦	DG413DY	SOIC-16	Dual SPST (NO), dual SPST (NC) analog switch	1.49	1.43	1.07
279540CK	✦	DG419DJ	DIP-8	Dual SPST (NO), dual SPST (NC) analog switch	1.99	1.68	1.26
246561CK	✦	DG419DY	SOIC-8	Dual SPST (NO), dual SPST (NC) analog switch	1.15	.98	.73
33347CK	✦	TL431CLP	T0-92	Program precision reference	.32	.27	.20
279558CK	✦	DG441DJ	DIP-16	Quad SPST (NC) analog switch	1.43	1.15	.97
256495CK	✦	DG442DJ	DIP-16	Quad SPST (NO) analog switch	\$1.65	1.49	1.33
256508CK	✦	DG442DY	SOIC-16	Quad SPST (NO) analog switch	1.08	.92	.69
256487CK	✦	DG444DJ	DIP-16	Quad SPST (NC) analog switch	1.29	1.20	.93
256479CK	✦	DG444DY	SOIC-16	Quad SPST (NC) analog switch	\$1.36	1.22	1.13
256452CK	✦	DG445DJ	DIP-16	Quad SPST (NO) analog switch	1.35	1.28	1.05
256444CK	✦	DG445DY	SOIC-16	Quad SPST (NO) analog switch	1.26	1.07	.80
33355CK	✦	TL494CN	DIP-16	Control circuit pulse-width-modulated	.43	.37	.27
86799CK	✦	LM555CM	SOIC-8	Timer (NE555D)	.25	.16	.13

*10 pcs. in Linear kit, pg 37 **20 pcs. in Linear kit, pg 37 ♦ Jameco Value Offering

R RoHS compliant product **⊕** This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 1.*

Linear Series (Continued)

Package (see pg 40)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
287734CK	✦	AD580LH	TO-52	2.5V volt reference high precision ...	\$9.49	\$8.05	\$6.91
287785CK	ADI	AD581KH	TO-53	10V volt ref hi prec 10mV tolerance	8.09	7.37	6.61
287814CK	ADI	AD584JH	TO-99	Prog voltage reference 30mV tol.	5.65	5.15	4.70
288155CK	ADI	AD584KN	DIP-8	Prog voltage reference 11mV tol.	10.69	10.15	9.63
312012CK	ADI	AD586JN	DIP-8	High precision 5V reference	5.65	5.11	4.85
312004CK	ADI	AD586KR	SOIC-8	High precision 5V reference	6.65	5.38	4.58
115174CK	ADI	AD620AN	DIP-8	Low-cost instrument amplifier \$14.85	12.65	11.60	10.60
310383CK	ADI	AD622AR	SOIC-8	Low-cost instrument amplifier \$5.55	4.65	3.78	3.65
115182CK	ADI	AD633JN	DIP-8	Low-cost analog multiplier	7.75	6.97	6.28
241912CK	✦	TC646VOA	SOIC-8	3-5V, PWM fan controller	2.25	2.15	2.05
276509CK	✦	MAX660CSA	SOIC-8	CMOS monolithic voltage converter	5.59	4.62	3.13
312194CK	✦	MAX662ACPA	DIP-8	Pos. 12V 30mA flash memory prog supply	4.05	3.37	3.20
312186CK	✦	MAX662ACSA	SOIC-8	Pos. 12V 30mA flash memory prog supply	4.09	2.79	2.20
312151CK	MAX	MAX724CCK	TO-220/5	5A/2A step-down PWM switch mode DC-DC reg	10.75	9.13	8.67
25435CK	✦	MC8B46P	DIP-14	Quad 2-input gate	3.95	2.95	2.25
315969CK	✦	TC962COE	SOIC-16	High current charge pump DC-DC con.	2.25	2.23	2.20
316515CK	✦	TC962CPA	DIP-8	High current charge pump DC-DC con.	2.49	2.37	2.29
232957CK	✦	LT1004CZ-1.2	TO-92	1.2V, micropower voltage reference .....	.68	.57	.46
239265CK	✦	LT1004CZ-2.5	TO-92	2.5V, micropower voltage reference .....	.68	.58	.48
301541CK	✦	LT1009CLP	TO-92	2.5V voltage reference diode .....	.55	.50	.37
300177CK	LTC	LT1009CZ	TO-92	2.5V voltage reference diode	1.99	1.32	1.15
312258CK	MAX	MAX1044CPA	DIP-8	Switched capacitor volt converters	2.35	1.96	1.86
312240CK	MAX	MAX1044CSA	SOIC-8	Switched capacitor volt converters	2.85	2.38	2.26
300206CK	LTC	LTC1046CS8	SOIC-8	Inductorless 5V to 5V converter	4.35	2.95	2.55
278184CK	✦	TL1451ACN	DIP-16	Dual pulse-width-mod control circuit	1.85	1.51	1.13
118578CK	✦	MC1495L	DIP-14	Linear four quadrant multiplier	9.95	8.95	8.05
23211CK	✦	LM11496N	DIP-14	Balanced mod/demodulator (MC1496P) .....	.65	.60	.54
311790CK	MCH	MCP1252-33X50	MSOP-8	Low-noise pos regulated charge pump	2.25	2.17	2.07
314261CK	ANA	AP1501KS	TO-263/5	150kHz, 5A buck PWM DC/DC con.	2.59	2.02	1.54
314296CK	ANA	AP1501-50KS	TO-263/5	150kHz, 3A buck PWM DC/DC con. \$4.05	3.45	2.68	2.03
34278CK	✦	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array .....	.39	.32	.28
193826CK	✦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array .....	.39	.35	.26
34294CK	✦	ULN2004AN	DIP-16	Hi-volt/curr. darl. trans. array (XR2204CP)	.35	.30	.25
241891CK	✦	ML2035CP	DIP-8	Serial input prog. sine wave generator	7.89	6.95	6.29
241883CK	✦	ML2036CP	DIP-14	5V, 50kHz prog. sine wave generator	16.65	14.96	13.47
34972CK	✦	XR2206CP	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999CK	✦	XR2211N	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280081CK	✦	TLE2425CD	SOIC-8	Precision virtual ground	1.19	.96	.72
280022CK	✦	TLE2426CD	SOIC-8	Rail splitter precision virtual ground ..	1.19	.91	.82
280073CK	✦	TLE246CLP	TO-92	Rail splitter precision virtual ground ...	1.19	.91	.82
34315CK	✦	ULN2803A	DIP-18	Hi-volt/curr. darl. transistor array .....	.69	.59	.49
123625CK	✦	LM2907N	DIP-8	Frequency to voltage converter	1.55	1.39	1.04
23317CK	✦	LM2907N	DIP-14	Frequency to voltage converter	1.39	1.11	.93
245631CK	✦	LM2917M	SOIC-14	Freq. to voltage conv. w/ zener	1.65	1.45	1.40
23350CK	✦	LM2917N-8	DIP-8	Freq. to voltage conv. w/ zener	1.85	1.40	1.15
23431CK	✦	LM2917N-14	DIP-14	Freq. to voltage conv. w/ zener	1.69	1.45	1.32
12079CK	✦	CA3046N	DIP-14	NPN transistor array (ULN2046) .....	.49	.46	.41
12159CK	✦	CA3086N	DIP-14	Transistor array NPN (ULN2086) \$124.99	.89	.80	

*10 pcs. in Linear kit, pg 37 ♦ Jameco Value Offering ⚙ Blue P/N = Limited Quantity Available

Semiconductors

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

T0-3	T0-5/T0-52	T0-92	T0-220	T0-252	T0-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC

Manufacturer Cross Reference Table

Jameco Value Offering

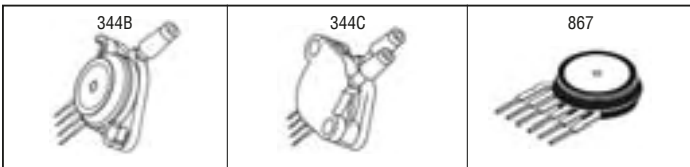
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Linear Series (Continued)

Package (see above)

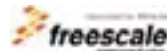
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
302252CK	NSC	LM4040DZ-2.5	TO-92	2.5V, prec. μ Pwr shunt volt ref, 1.0%VR tol	\$0.81	\$0.60	(\$0.45)
302228CK	NSC	LM4040DZ-5.0	TO-92	5.0V, prec. μ Pwr shunt volt ref, 1.0%VR tol	.48	.44	.39
25275CK	+	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
29372CK	+	RC4151NB	DIP-8	Volt to frequency converter (XR4151)	1.59	1.43	1.29
312119CK	+	TPS6734ID	SOIC-8	Fixed 12V 120mA boost converter supply	1.95	1.89	1.81
297924CK	+	TPS6734IP	DIP-8	Fixed 12V 120mA boost converter supply	1.75	1.41	(1.05)
312143CK	TI	TPS6735ID	SOIC-8	Fixed neg 5V 200mA invert DC/DC con	1.89	1.80	1.72
312135CK	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con	\$1.99 1.89	1.80	1.70
312127CK	TI	TPS6755ID	SOIC-8	Adjustable inverting DC/DC inverter	2.15	1.85	1.81
288163CK	ADI	AD7501KN	DIP-16	8-channel analog multiplexer	12.15	11.55	10.98
288180CK	ADI	AD7506JN	DIP-28	16-channel analog multiplexer	14.69	13.15	11.75
51140CK	+	7555IPA	DIP-8	CMOS timer (LM555CN)	.33	.31	.29
51174CK	+	7660CPA	DIP-8	CMOS volt convtr (+5 to +5V) (M660AN)	\$0.85 .75	.68	.59
290301CK	+	ICL7660ACP	DIP-8	1.5V - 12V volt converter, 10kHz, supp	1.35	1.23	(.92)
290335CK	+	ICL7660SCP	DIP-8	1.5V - 12V volt convtr, 10kHz freq boost	1.19	1.02	(.76)
316662CK	+	ICL7662CBA	SOIC-8	Volt converter, 20Vin, 4.5-20V out	2.99	2.79	2.65
316646CK	+	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	2.95	2.75	2.49
51879CK	+	8038CCPD	DIP-14	Precision wave form generator	4.95	4.49	3.95
316540CK	+	TC9400CPD	DIP-14	Volt freq/freq volt converter	5.75	5.34	5.07
316531CK	+	TC9400COD	SOIC-14	Volt freq/freq volt converter	6.35	6.03	5.73
25021CK	ON	MC14411P	DIP-24	Bit rate frequency generator	4.49	4.35	4.20
241841CK	+	MC14467	DIP-16	Smoke detector, ionization type	.95	.85	.77
25064CK	ON	MC14490P	DIP-16	Hex contact bounce eliminator	\$6.95 6.25	5.63	5.03
354597CK	+	MC14551N	DIP-16	Quad 2-ch analog multi/demultiplexer	1.20	.97	(.73)
354626CK	+	MC14557	DIP-16	1-64 bit variable length shift register	.73	.61	.60
241832CK	ON	MC145012	DIP-16	Smoke detector, photoelectric type	2.25	2.14	2.03
246713CK	ON	MC14515DW2	SOIC-28	Parallel input PLL freq synthesizer	5.19	5.05	4.83
118586CK	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	6.15	5.20	4.10

Pressure Sensors



Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

• To convert kPa to PSI: 1kPa = 0.1450377PSI



Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC/mA)	1	10	100
320899CK	MPX10DP	—	344C	0 - 10	35mV	3 @ 6 ..	\$10.95	\$10.40	\$10.18
320987CK	MPX2010DP	D	344C	0 - 10	25mV	10 @ 6 ..	14.85	14.07	13.37
321015CK	MPX2010GP	G	344B	0 - 10	25mV	10 @ 6 ..	14.65	13.90	13.21
321293CK	MPX5050D	D	867	0 - 50	4.7V	5 @ 7 ..	16.15	13.10	12.40

* D = differential; G = gauge

Hall-Effect Sensors

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
319089CK	ATS137M	SIP-3	Hall-effect switch 25mA, 20V max, ext. temp	\$1.75	\$1.52	\$1.28
319097CK	AH175P	SIP-3	Hall-effect latch 25mA, 20V max, mil. temp	1.79	1.57	1.31
319100CK	AH182PL	SIP-3	Hall-effect switch 25mA, low power	.83	.57	.44
319118CK	AH182WL	SOT-23/3	Hall-effect switch 25mA, low power	.72	.65	.494

Blue P/N = Limited Quantity Available

Temperature Sensors

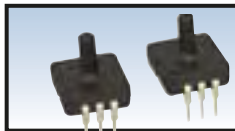
Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107094CK	NSC	LM34CZ	TO-92	Prec temp sensor (-40° to +230°F)	\$4.89	\$4.52	\$4.08
193480CK	NSC	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	1.75	1.32	(.99)
155192CK	NSC	LM34DZ	TO-92	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.23
302560CK	NSC	LM35CAZ	TO-92	Precision C temperature sensor	5.19	4.14	3.55
193498CK	NSC	LM35DM	SOIC-8	Prec temp sensor (-55° to 150°C)	1.49	1.13	.84
192217CK	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.55	1.92	1.44
107107CK	NSC	LM35CZ	TO-92	Prec temp sensor (-40° to 110°C)	4.39	3.37	(2.52)
155740CK	NSC	LM35DZ	TO-92	Prec temp sensor (0° to +100°C)	1.79	1.35	1.25
278361CK	ADI	TMP36FS	SOIC-8	Low voltage temp sensor, $\pm 2^{\circ}\text{C}$	1.11	.97	(.72)
278395CK	ADI	TMP36GS	SOIC-8	Low voltage temp sensor, $\pm 3^{\circ}\text{C}$	.97	.82	(.61)
278387CK	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.00	.92	.83
302164CK	NSC	LM50BIM3	SOT-23	Single supply temp sensor, $\pm 2^{\circ}\text{C}$	1.35	1.00	(.75)
302172CK	NSC	LM50CIM3	SOT-23	Single supply temp sensor, $\pm 3^{\circ}\text{C}$	.90	.66	(.49)
302148CK	NSC	LM56BIM	SOIC-8	Dual output low-power thermo, dig-out	1.95	1.60	1.42
302092CK	+	LM61CIZ	TO-92	2.7V analog temperature sensor	.74	.54	.46
301639CK	NSC	LM74CIBP-3	μ SMD-5	12-bit + sign digital temp sensor	2.19	1.70	1.44
301604CK	NSC	LM74CIBP-5	μ SMD-5	12-bit + sign digital temp sensor	2.09	1.70	1.44
301621CK	NSC	LM74CIM-3	SOIC-8	12-bit + sign digital temp sensor	1.59	1.40	1.19
301583CK	NSC	LM74CIM-5	SOIC-8	12-bit + sign digital temp sensor	1.59	1.40	1.19
311853CK	NSC	LM75CIM-3	SOIC-8	Digital temp sensor/thermal watchdog	\$1.65 1.45	1.10	1.00
311845CK	NSC	LM75CIM-5	SOIC-8	Digital temp sensor/thermal watchdog	1.65	1.32	1.17
301567CK	NSC	LM77CIM-3	SOIC-8	9-bit + sign digital window comp	1.75	1.50	1.37
282028CK	+	LM135H	TO-46	Precision temperature sensor	8.55	7.67	6.91
120820CK	+	LM335AZ	TO-92	Precision temperature sensor	.81	.75	.71
193560CK	+	LM335M	SOIC-8	Precision temperature sensor	.95	.70	.60
23755CK	+	LM335Z	TO-92	Volt mode temperature sensor	.67	.61	.44
241939CK	+	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306CK	+	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	12.99	11.69	10.53
313293CK	+	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	13.55	11.89	10.52
302551CK	+	DS18S20	SOIC-8	High-prec. 1-wire digital thermo	4.19	3.56	3.21
287371CK	+	AD7814ARM	μ SO-8	10-bit digital temp. sensor	1.99	1.90	1.82

Digital Potentiometers

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744CK	MCP41010-I/P	DIP-8	10k Ω , 256 steps, SPI digital pot	\$1.59	\$1.49	\$1.39
241761CK	MCP41050-I/P	DIP-8	50k Ω , 256 steps, SPI digital pot	1.85	1.55	1.40
241787CK	MCP41100-I/P	DIP-8	100k Ω , 256 steps, SPI digital pot	1.55	1.47	1.39
241752CK	MCP42010-I/P	DIP-14	10k Ω , 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10
241779CK	MCP42050-I/P	DIP-14	50k Ω , 256 steps, 2-ch, SPI digital pot	2.55	2.10	2.07
241795CK	MCP42100-I/P	DIP-14	100k Ω , 256 steps, 2-ch, SPI digital pot	2.35	2.20	2.10



Looking for Non-Semiconductor Sensors?

See page 183 for liquid level, pressure, inductive proximity, ultrasonic, latched hall-effect and vibration/tilt switch sensors.



Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

NPN Bipolar Transistors

Package (see pg 42)

* Minimum order 10 pieces									
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ Ic)	1	10	100 1000
214834CK	MMBTA05	+	SOT-23	NPN	60	—	—	—	—
297799CK	MPSA05	+	TO-92	NPN	60	100 @ .01A	—	.075	.064 .034
214842CK	MMBTA06	+	SOT-23	NPN	80	100 @ .01A	—	.06	.05 .03
26462CK	MPSA06	+	TO-92	NPN	30	50 @ .01A	—	.05	.028 .026
288930CK	MPSH10	+	TO-92	NPN	25	60 @ .004A	—	.09	.08 .06
214851CK	MMBTA13	+	SOT-23	NPN	30	5k @ .01A	—	.06	.04 .03
26489CK	MPSA13	+	TO-92	NPN	30	5k @ .01A	—	.066	.034 .028
214869CK	MMBTA14	+	SOT-23	NPN	30	10k @ .01A	—	.06	.04 .03
210593CK	MPSA14	+	TO-92	NPN	30	20k @ .10A	—	.083	.067 .038
210681CK	MPSA18	+	TO-92	NPN	45	500 @ .001A	—	.083	.062 .043
288850CK	MPSA29	+	TO-92	NPN	100	10k @ .1A	—	.06	.034 .025
33021CK	TIP29A	+	TO-220	NPN	60	15 @ 1A	—	.41	.39 .37 .30
297781CK	TIP29C	+	TO-220	NPN	100	40 @ .2A	—	.25	.208 .195 .17
33048CK	TIP31A	+	TO-220	NPN	60	10 @ 3A	—	.49	.39 .35 .29
179354CK	TIP31C	FSC	TO-220	NPN	100	10 @ 3A	—	.49	.37 .30 .18
33081CK	TIP41A	+	TO-220	NPN	60	15 @ 3A	—	.59	.55 .50 .42
179371CK	TIP41C	FSC	TO-220	NPN	100	15 @ 3A	—	.34	.32 .27 .22
214885CK	MMBTA42	+	SOT-23	NPN	300	40 @ .01A	—	.031	.028 .026
178546CK	MPSA42	+	TO-92	NPN	30	40 @ .03A	—	.08	.075 .056
288614CK	TIP47	+	TO-220	NPN	250	30 @ .3A	—	.36	.31 .25 .18
288631CK	TIP48	+	TO-220	NPN	300	30 @ .3A	—	.39	.35 .28 .21
120221CK	BPW77NA	+	TO-18	NPN	70	—	—	1.99	1.89 1.55 1.21
277413CK	PN100	+	TO-92	NPN	45	100 @ .15A	—	.05	.042 .037
288420CK	TIP100	+	TO-220	NPN	60	1k @ 3A	—	.45	.41 .34 .25
297772CK	TIP101	+	TO-220	NPN	80	1k @ 3A	—	.60	.54 .46 .34
32977CK	TIP102	+	TO-220	NPN	100	1k @ 3A	—	.57	.49 .41 .245
179240CK	TIP102	FSC	TO-220	NPN	100	1k @ 3A	—	.38	.32 .30 .29
288471CK	TIP110	+	TO-220	NPN	60	1k @ 1A	—	.39	.36 .32 .27
288500CK	TIP111	+	TO-220	NPN	80	1k @ 1A	—	.37	.34 .32 .27
288518CK	TIP112	+	TO-220	NPN	100	1k @ 1A	—	.43	.37 .34 .25
32993CK	TIP120	+	TO-220	NPN	60	1k @ 3A	—	.49	.45 .39 .27
179291CK	TIP120	FSC	TO-220	NPN	60	1k @ 3A	—	.54	.47 .39 .27
288585CK	TIP121	+	TO-220	NPN	80	1k @ .5A	—	.37	.32 .27 .23
120416CK	TIP122	+	TO-220	NPN	100	1k @ 3A	—	.42	.37 .35 .285
179303CK	TIP122	FSC	TO-220	NPN	100	1k @ 3A	—	.55	.42 .32 .195
254772CK	BD237	+	TO-126	NPN	80	40 @ .15A	—	.44	.40 .32 .24
254810CK	BC337	+	TO-92	NPN	45	100 @ .10A	—	.174	.114 .058
211529CK	MJE340	+	TO-225	NPN	300	30 @ .05A	—	.27	.24 .21 .18
255994CK	BU406	+	TO-220	NPN	200	—	—	.89	.86 .67 .44
272031CK	BU407	+	TO-220	NPN	150	—	—	.82	.73 .69 .52
254801CK	BC547B	+	TO-92	NPN	45	330 @ .002A	—	.075	.067 .051
254799CK	BC547C	+	TO-92	NPN	45	600 @ .002A	—	.08	.075 .05
254781CK	BC548B	+	TO-92	NPN	30	110 @ .002A	—	.15	.086 .064
309825CK	BD681	+	TO-225	NPN	100	750 @ 2A	—	.49	.481 .285 .212
211553CK	MJE800	+	TO-225	NPN	60	750 @ 1.5A	—	.29	.27 .24 .21
213920CK	MMBT918	+	SOT-23	NPN	15	20 @ .003A	—	.058	.042 .032
194327CK	2N2102	+	TO-39	NPN	65	40 @ .15A	—	.42	.41 .39 .29
38228CK	2N2219A	+	TO-39	NPN	40	100 @ .15A	—	.41	.37 .31 .28
94941CK	MMBT2222	+	SOT-23	NPN	30	100 @ .15A	—	.06	.04 .03
26446CK	MPQ2222	+	DIP-14	NPN	40	100 @ .15A	—	2.79	2.52 2.29 2.13

◆ Jameco Value Offering FSC = Fairchild Semiconductor * 10 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

Includes:
 20 drawer component cabinet (319599CK),
 20 clear plastic drawers (319601CK),
 20 clear dividers (319610CK), pg 296 and
 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595CK	560 pcs. (20 types) NPN, PNP transistor kit	5.1	\$82.95	\$74.65
130374CK	Refill for 82595CK (560 pcs.)	0.4	69.95	62.95

NPN Bipolar Transistors (Continued)

Package (see pg 42)

* Minimum order 10 pieces									
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ Ic)	1	10	100 1000
28628CK	PN2222	+	TO-92	NPN	30	100 @ .15A	—	.065	.041 .025
213938CK	MMBT2222A	+	SOT-23	NPN	40	100 @ .15A	—	.04	.03 .022
213997CK	MMPQ2222A	+	SOIC-16	NPN	40	100 @ .15A	—	.94	.81 .71 .53
210673CK	MPS2222A	+	TO-92	NPN	40	40 @ .50A	—	.057	.041 .034
178511CK	PN2222A	+	TO-92	NPN	40	100 @ .15A	—	.13	.092 .051
38236CK	2N2222A	+	TO-18	NPN	40	100 @ .15A	—	.39	.35 .29 .25
213946CK	MMBT2369A	+	SOT-23	NPN	15	40 @ .01A	—	.04	.032 .024
26526CK	MPS2369	+	TO-92	NPN	15	20 @ .10A	—	.059	.038 .029
211334CK	MPS2369A	+	TO-92	NPN	15	20 @ .10A	—	.07	.052 .047
38295CK	2N3053	+	TO-39	NPN	40	25 @ .15A	—	.47	.43 .40 .37
211385CK	TIP3055	+	TO-218	NPN	60	5 @ .001A	—	1.05	.94 .76 .57
38308CK	2N3055	+	TO-3	NPN	60	15 @ 10A	—	.95	.85 .72 .63
211406CK	2N3055A	+	TO-3	NPN	60	20 @ 4A	—	1.55	1.49 1.13 .98
25857CK	MJE3055T	+	TO-220	NPN	60	20 @ 4A	—	.53	.49 .45 .39
194415CK	2N3439	+	TO-39	NPN	350	40 @ .02A	—	.53	.50 .48 .37
209242CK	2N3771	+	TO-3	NPN	40	15 @ 15A	—	2.19	1.84 1.56 .99
38324CK	2N3772	+	TO-3	NPN	40	15 @ 10A	—	2.49	2.05 1.79 1.15
140151CK	2N3773	+	TO-3	NPN	140	15 @ 8A	—	2.45	2.32 2.26 2.07
94967CK	MMBT3904	+	SOT-23	NPN	40	100 @ .01A	—	.042	.034 .023
211351CK	MPS3904	+	TO-92	NPN	40	100 @ .001A	—	.10	.06 .04
38359CK	2N3904	+	TO-92	NPN	40	100 @ .01A	—	.069	.057 .035
178597CK	2N3904	FSC	TO-92	NPN	40	100 @ .01A	—	.09	.06 .045
38404CK	2N4123	+	TO-92	NPN	30	25 @ .05A	—	.10	.09 .07
214674CK	MMBT4124	+	SOT-23	NPN	25	60 @ .05A	—	.03	.025 .022
62295CK	2N4124	+	TO-92	NPN	25	60 @ .05A	—	.04	.03 .02
253411CK	2N4400	+	TO-92	NPN	40	50 @ .15A	—	.042	.03 .022
214703CK	MMBT4401	+	SOT-23	NPN	40	80 @ .01A	—	.04	.03 .023
38421CK	2N4401	+	TO-92	NPN	40	100 @ .15A	—	.08	.06 .05
211511CK	2N4410	+	TO-92	NPN	80	60 @ .01A	—	.14	.10 .075
211490CK	2N4923	+	TO-225	NPN	80	30 @ .50A	—	.45	.40 .32 .28
310666CK	2N5038	+	TO-3	NPN	150	20 @ 12A	—	6.89	5.93 4.51 3.89
213971CK	MMBT5088	+	SOT-23	NPN	30	300 @ .01A	—	.12	.09 .035
62316CK	2N5088	+	TO-92	NPN	30	300 @ .10A	—	.05	.049 .036
214746CK	MMBT5089	+	SOT-23	NPN	25	400 @ .01A	—	.032	.029 .027
62324CK	2N5089	+	TO-92	NPN	25	400 @ .10A	—	.07	.048 .036
140373CK	2N5179	+	TO-72	NPN	12	25 @ .003A	—	.59	.56 .512 .482
209251CK	2N5191	+	TO-225	NPN	60	25 @ 1.5A	—	.30	.28 .25 .23
253569CK	2N5550	+	TO-92	NPN	140	60 @ .010A	—	.18	.16 .065
214771CK	MMBT5551	+	SOT-23	NPN	140	80 @ .01A	—	.024	.022 .02
210657CK	2N5551	+	TO-92	NPN	160	80 @ .01A	—	.059	.05 .043
209277CK	2N5657	+	TO-126	NPN	350	30 @ .10A	—	.26	.24 .22 .20
254764CK	2N5886	+	TO-3	NPN	80	20 @ 10A	—	2.29	2.09 2.02 1.73
194589CK	2N6045	+	TO-220	NPN	100	1k @ 3A	—	.44	.40 .32 .28
194600CK	2N6059	+	TO-3	NPN	100	750 @ 2A	—	1.59	1.55 1.36 1.12
255011CK	2N6292	+	TO-220	NPN	70	30 @ 2A	—	.57	.52 .44 .39
213989CK	MMBT6427	+	SOT-23	NPN	40	10k @ .01A	—	.07	.05 .025
255003CK	2N6427	+	TO-92	NPN	40	10k @ .01A	—	.21	.19 .15 .044
288817CK	MPS6521	+	TO-92	NPN	25	300 @ 0.002A	—	.13	.11 .07
288833CK	MPS6531	+	TO-92	NPN	40	60 @ 0.01A	—	.21	.166 .076 .057
194618CK	2N6547	+	TO-3	NPN	400	12 @ 5A	—	3.25	2.93 2.66 2.42
194626CK	2N6678	+	TO-3	NPN	400	8 @ 15A	—	6.79	6.11 4.89 3.67
214025CK	MMPQ6700	+	SOIC-16	PNP/NPN	40	70 @ .01A	—	.79	.71 .68 .53
140134CK	2N6725	+	TO-237	NPN	50	25k @ .20A	—	.55	.35 .32 .28 .26
277771CK	MJE13005	+	TO-220	NPN	400	8 @ 2A	—	.90	.77 .61 .41

◆ Jameco Value Offering FSC = Fairchild Semiconductor ◆ Blue Part No. = Limited Quantity Available
 * 10 pcs. / ** 100 pcs. in Transistor cabinet kit, left

Free Technical Support

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PNP Transistors & J-FETs

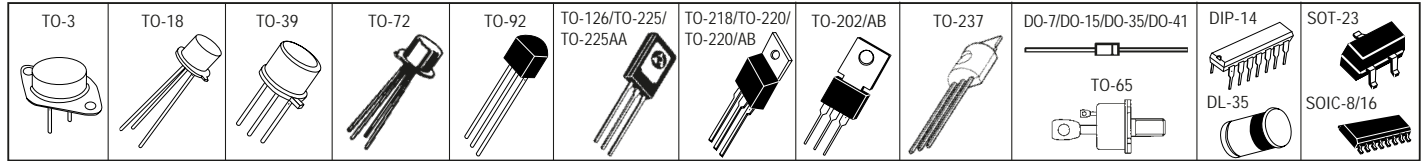


RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

PNP Bipolar Transistors

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{CEO} Min. (h _{FE} @ Ic)	* Minimum order 10 pieces				
						1	10	100	1000	
33030CK	TIP30A	+	TO-220	PNP	60 15 @ 1A	\$.71	\$.56	\$.40	\$.247	
179346CK	TIP30C	FSC	TO-220	PNP	100 15 @ 1A	.39	.365	.32	.265	
33064CK	TIP32A	+	TO-220	PNP	60 10 @ 3A	.37	.335	.285	.23	
181841CK	TIP32C	+	TO-220	PNP	100 10 @ 3A	.27	.24	.22	.20	
33101CK	TIP42A	+	TO-220	PNP	60 15 @ 3A	.58	.49	.47	.31	
139580CK	TIP42C	+	TO-220	PNP	100 15 @ 3A	.45	.407	.344	.247	
179389CK	TIP42C	FSC	TO-220	PNP	100 15 @ 3A	.45	.41	.34	.30	
214906CK	MMBTA55	+	SOT-23	PNP	60 100 @ .01A	*.038	.032	.024		
214914CK	MMBTA56	+	SOT-23	PNP	80 100 @ .01A	*.04	.036	.033		
210606CK	MPSA56	+	TO-92	PNP	80 100 @ .10A	*.06	.042	.025		
214922CK	MMBTA63	+	SOT-23	PNP	30 5k @ .01A	*.028	.026	.023		
288921CK	MPSA63	+	TO-92	PNP	30 10k @ .1A	*.08	.058	.043		
214931CK	MMBTA64	+	SOT-23	PNP	30 10k @ .01A	*.026	.024	.022		
178554CK	MPSA92	+	TO-92	PNP	300 25 @ .003A	*.11	.075	.049		
214957CK	MMBTA92	+	SOT-23	PNP	300 40 @ .01A	*.033	.03	.028		
288462CK	TIP105	+	TO-220	PNP	60 1k @ 3A	.50	.45	.40	.36	
32985CK	TIP106	+	TO-220	PNP	80 1k @ 3A	.80	.70	.65	.50	
179258CK	TIP107	+	TO-220	PNP	100 1k @ 3A	.55	.49	.40	.287	
288526CK	TIP115	+	TO-220	PNP	60 1k @ 1A	.38	.324	.262	.186	
288542CK	TIP117	+	TO-220	PNP	100 1k @ 1A	.45	.35	.30	.25	
33013CK	TIP125	+	TO-220	PNP	60 1k @ 3A	.49	.45	.29	.26	
288606CK	TIP126	+	TO-220	PNP	80 1k @ .5A	.39	.32	.26	.19	
179320CK	TIP127	FSC	TO-220	PNP	100 1k @ 3A	.45	.40	.32	.288	
277886CK	MJE172	+	TO-225	PNP	80 30 @ .50A	.35	.322	.289	.179	
277341CK	PN200	+	TO-92	PNP	45 100 @ .15A	*.07	.05	.04		
211537CK	MJE350	+	TO-225	PNP	300 30 @ .05A	.41	.37	.33	.29	
256073CK	BD438	+	TO-225	PNP	45 30 @ .01A	.54	.50	.44	.38	
256065CK	BD682	+	TO-225	PNP	100 750 @ 1.5A	\$.54	.49	.43	.35	.23
211545CK	MJE700	+	TO-225	PNP	60 750 @ 1.5A	.31	.27	.25	.185	
214658CK	MMBT2369	+	SOT-23	PNP	25 60 @ .05A	*.05	.045	.042	.031	
194378CK	2N2905A	+	TO-39	PNP	60 100 @ .15A	.45	.43	.41	.30	
94959CK	MMBT2907	+	SOT-23	PNP	40 100 @ .15A	.22	.068	.041	.026	
26454CK	MPQ2907	+	DIP-14	PNP	40 100 @ .15A	2.19	1.85	1.35	.99	
28644CK	PN2907	+	TO-92	PNP	40 100 @ .15A	*.125	.09	.045		
213954CK	MMBT2907A	+	SOT-23	PNP	60 100 @ .01A	*.05	.042	.031		
214009CK	MMMPQ2907A	+	SOIC-16	PNP	60 100 @ .01A	.35	.32	.29	.28	
211342CK	MPS2907A	+	TO-92	PNP	60 100 @ .15A	*.057	.051	.041		
178520CK	PN2907A	+	TO-92	PNP	60 100 @ .15A	*.085	.077	.041		
38279CK	2N2907A	+	TO-18	PNP	60 100 @ .15A	.32	.30	.28	.23	

◆ Jameco Value Offering FSC = Fairchild Semiconductor *10 pcs. / **100 pcs. in Transistor cabinet kit, pg 43

PNP Bipolar Transistors (Continued)

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{CEO} Min. (h _{FE} @ Ic)	* Minimum order 10 pieces				
						1	10	100	1000	
211377CK	TIP2955	+	TO-218	PNP	60 5 @ .001A	\$1.05	\$.94	\$.90	\$.72	
211502CK	MJ2955	+	TO-3	PNP	60 20 @ 4A	.69	.62	.56	.52	
25831CK	MJE2955T	+	TO-220	PNP	60 20 @ 4A	.58	.53	.445	.305	
62287CK	2N3905	+	TO-92	PNP	40 50 @ .01A	*.10	.074	.04		
94975CK	MMBT3906	+	SOT-23	PNP	40 100 @ .01A	*.062	.037	.027		
214017CK	MMMPQ3906	+	SOIC-16	PNP	40 75 @ .01A	1.37	.99	.31	.28	
38375CK	2N3906	+	TO-92	PNP	40 100 @ .01A	*.05	.04	.03		
178618CK	2N3906	FSC	TO-92	PNP	40 100 @ .01A	*.08	.042	.029		
194466CK	2N4033	+	TO-39	PNP	80 100 @ .10A	.62	.56	.45	.33	
214682CK	MMBT4126	+	SOT-23	PNP	25 60 @ .05A	*.04	.03	.02		
214623CK	2N4126	+	TO-92	PNP	25 60 @ .05A	*.05	.04	.034		
214720CK	MMBT4403	+	SOT-23	PNP	40 60 @ .001A	*.045	.04	.036		
38447CK	2N4403	+	TO-92	PNP	40 100 @ .15A	*.05	.049	.036		
277755CK	MJ4502	+	TO-3	PNP	90 25 @ 7.5A	2.45	2.30	2.25	2.20	
211465CK	2N4920	+	TO-225	PNP	80 30 @ .50A	.33	.307	.294	.279	
213962CK	MMBT5087	+	SOT-23	PNP	50 250 @ .01A	*.05	.04	.02		
210631CK	2N5087	+	TO-92	PNP	50 250 @ .10A	*.07	.032	.022		
253930CK	2N5400	+	TO-92	PNP	120 40 @ .010A	*.09	.081	.07		
214754CK	MMBT5401	+	SOT-23	PNP	150 40 @ .001A	*.025	.022	.02		
210649CK	2N5401	+	TO-92	PNP	150 60 @ .01A	*.066	.05	.037		
253438CK	2N5884	+	TO-3	PNP	80 4 @ 25A	2.29	2.15	1.60	1.47	
194571CK	2N6042	+	TO-220	PNP	100 1k @ 3A	.59	.47	.42	.35	
194597CK	2N6052	+	TO-3	PNP	100 750 @ 6A	1.75	1.69	1.64	1.47	
214025CK	MMMPQ6700	+	SOIC-16	PNP/PNP	40 70 @ .01A	.79	.71	.68	.53	
277798CK	MJE15029	+	TO-220	PNP	120 40 @ 2A	.72	.67	.56	.51	
277851CK	MJE15031	+	TO-220	PNP	150 40 @ 2A	.80	.73	.67	.61	

*10 pcs. / **100 pcs. in Transistor cabinet kit, pg 43 ◆ Blue Part No. = Limited Quantity Available

J-FETs

Package (see above)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV _{GS} @ I _G (μA)	I _{DSS} (mA) @ V _{DS}	1			
							1	10	100	1000
26403CK	MPF102	+	TO-92	N-Ch	-25 @ -1	20 @ 15	*.155	\$.11	\$.08	
211393CK	J111	+	TO-92	N-Ch	-40 @ -1	20 @ 15	.20	.17	.12	.11
140450CK	J112	+	TO-92	N-Ch	-40 @ -1	5 @ 15	*.16	.12	.09	
210622CK	2N3819	+	TO-92	N-Ch	-25 @ -1	20 @ 15	*.085	.059	.055	
253948CK	2N5457	+	TO-92	N-Ch	-25 @ -10	5 @ 15	.20	.18	.126	.102
253921CK	2N5458	+	TO-92	N-Ch	-25 @ -0.1	2 @ 15	.29	.23	.19	.13
253884CK	2N5484	+	TO-92	N-Ch	-25 @ -1	5 @ 15	*.26	.18	.10	
253585CK	2N5485	+	TO-92	N-Ch	-25 @ -1	20 @ 15	.24	.22	.17	.13
253577CK	2N5486	+	TO-92	N-Ch	-25 @ -1	20 @ 15	*.23	.19	.14	
253542CK	2N5639	+	TO-92	N-Ch	-30 @ -10	25 @ 20	.24	.22	.16	.081
38527CK	2N5951	+	TO-92	N-Ch	-30 @ -1	7 @ 15	.69	.64	.44	.39
140142CK	J176	+	TO-92	P-Ch	30 @ 1	-2 @ -15	.33	.29	.21	.17
211414CK	J177	+	TO-92	P-Ch	30 @ 1	-1.5 @ -15	.43	.38	.29	.20
253913CK	2N5460	+	TO-92	P-Ch	40 @ 10	-5 @ -15	.37	.33	.27	.20
253905CK	2N5461	+	TO-92	P-Ch	40 @ 10	-9 @ -15	.32	.23	.20	.15
253892CK	2N5462	+	TO-92	P-Ch	40 @ 10	-16 @ -15	*.089	.081	.073	

◆ Jameco Value Offering *10 pcs. in Transistor cabinet kit, pg 43

Troubleshooting & Repairing Consumer Electronics without a Schematic

TAB Publishing Learn how to locate, test, and repair defective components in audio amplifiers, car radios, cassette decks, TV chassis, compact disc players, power supplies, AM/FM receivers and VCRs. (475 pages, 1997)

• Size: 7.4" x 9.3" • Weight: 1.1 lbs.



Part No.	Description	Price
136080CK	Troubleshooting & Repairing	\$24.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO ValuePro

Heat Sinks

A Jameco EXCLUSIVE

Our TO-3 & TO-220 heat sinks are made from black anodized aluminum (except for P/N 107297CK which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P/N 42622CK and 228005CK can be mounted vertically with solderable mounting tabs.



Part No.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100	1000
32668CK	577500B00000	TO-126	—	.33	.295	.26	.25
326633CK	577304B00000	TO-202	0.52 x 0.38 x 0.75	.24	.23	.22	.207
326684CK	566010B03400	TO-218	1.00 x 0.51 x 1.22	.99	.89	.76	.65
326756CK	529801B02500	TO-218	1.64 x 0.98 x 1.51	1.02	.98	.83	.71
326772CK	530101B00150	TO-218	1.75 x 0.49 x 1.75	1.11	1.09	.94	.79
320320CK	BK-ALU-0034-001	TO-220	1.80 x 1.50 x 0.40	.30	.285	.279	.227
326596CK	507302B00000	TO-220	0.75 x 0.38 x 0.74	.25	.23	.20	.18
326609CK	577002B00000	TO-220	0.51 x 0.25 x 0.75	.30	.23	.215	.20
326617CK	577102B00000	TO-220	0.52 x 0.37 x 0.75	.33	.293	.264	.238
326625CK	577202B00000	TO-220	0.51 x 0.49 x 0.75	.27	.23	.215	.20
326641CK	577002B04000	TO-220	0.53 x 0.50 x 0.76	.30	.277	.255	.234
326650CK	577102B04000	TO-220	0.52 x 0.38 x 0.75	.27	.261	.249	.234
326676CK	593002B03400	TO-220	—	.52	.482	.416	.35
326692CK	531002B05200	TO-220	1.38 x 0.50 x 1.00	.84	.75	.65	.495
326713CK	531102B02500	TO-220	1.38 x 0.50 x 1.51	.86	.80	.68	.575
326721CK	531202B00000	TO-220	1.38 x 0.50 x 2.00	.76	.72	.70	.60
326748CK	531202B02500	TO-220	1.37 x 0.49 x 2.00	.89	.86	.74	.62
326764CK	531302B02500	TO-220	1.38 x 0.50 x 2.50	.92	.90	.77	.65

Other Manufacturers — Great Deals



Part No.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100	1000
16512CK	DUDE4	TO-3	4.80 x 1.50 x 1.30	\$2.95	\$2.75	\$2.49	\$2.25
151546CK	635-125B2	TO-3	1.90 x 1.40 x 1.30	1.05	.92	.78	.70
189835CK	635-5B2	TO-3	1.90 x 1.40 x 0.50	.87	.79	.70	.65
70914CK	THM6106	TO-220	1.20 x 1.00 x 0.50	.35	.30	.28	.26
129242CK	THM6106	TO-220	1.20 x 1.00 x 0.50	.49	.45	.39	.35
42622CK	563002B00000	TO-220	1.20 x 1.00 x 0.50	.35	.30	.28	.26
228005CK	BK-T220	TO-220	1.20 x 1.00 x 0.50	.35	.30	.23	.18
40504CK	291-H-36AB	TO-220	0.90 x 1.00 x 0.40	.63	.57	.45	.37
158051CK	577102B00000	TO-220	0.75 x 0.52 x 0.38	.39	.35	.28	.21
70658CK	THM6073	TO-220	0.80 x 0.70 x 0.40	.29	.269	.26	.25
107297CK	PSC2-U (cup-style)	TO-220	0.80 x 1.00 x 0.40	.49	.44	.35	.26

N-Channel and P-Channel MOSFETs

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
669821CK	IRFD014	♦	DIP-4	N-Ch	60	1.7A	.35	\$3.33	\$3.31	\$2.38
669839CK	IRFL014	♦	SOT-223	N-Ch	60	2.7A	.49	.41	.37	.31
669847CK	IRLD014	♦	DIP-4	N-Ch	60	1.7A	.45	.36	.33	.29
669855CK	IRLL014N	♦	SOT-223	N-Ch	55	2.8A	.55	.46	.33	.29
669863CK	IRFBG20	♦	TO-220AB	N-Ch	1000	1.4A	1.17	.94	.84	.70
669871CK	IRFZ24N	♦	TO-220AB	N-Ch	55	17A	.54	.43	.39	.33
669880CK	IRLR024N	♦	TO-252AA	N-Ch	55	17A	.55	.50	.47	.43
669898CK	IRLU024N	♦	TO-251AA	N-Ch	55	17A	.65	.53	.47	.38
669901CK	IRLZ24N	♦	TO-220AB	N-Ch	55	18A	.53	.42	.37	.32
669919CK	IRFBE30	♦	TO-220AB	N-Ch	800	4.1A	1.15	.90	.81	.67
669927CK	IRFBG30	♦	TO-220AB	N-Ch	1000	3.1A	1.35	1.09	.96	.80
669935CK	IRFZ34N	♦	TO-220AB	N-Ch	55	26A	.49	.39	.35	.29
669943CK	IRLZ34N	♦	TO-220AB	N-Ch	55	30A	.57	.54	.50	.46
669951CK	IRFZ44N	♦	TO-220AB	N-Ch	55	49A	.65	.51	.46	.39
669960CK	IRFZ44NS	♦	D2-Pack	N-Ch	55	49A	1.05	.82	.58	.55
669978CK	IRFZ46N	♦	TO-220AB	N-Ch	55	53A	.82	.78	.73	.59
669986CK	IRFZ48N	♦	TO-220AB	N-Ch	55	64A	.82	.66	.59	.49
669994CK	IRFD110	♦	DIP-4	N-Ch	100	1.0A	.47	.42	.35	.29
670004CK	IRFL110	♦	SOT-223	N-Ch	100	1.5A	.45	.36	.32	.27
670012CK	IRFD120	♦	DIP-4	N-Ch	100	1.3A	.66	.58	.52	.43
670021CK	IRFR120N	♦	TO-252AA	N-Ch	100	9.4A	.45	.42	.39	.32
670039CK	IRLD120	♦	DIP-4	N-Ch	100	1.3A	.45	.41	.38	.35
670047CK	IRLR120N	♦	TO-252AA	N-Ch	100	10A	.69	.61	.51	.45
256014CK	BSS138	♦	SOT-23	N-Ch	50	0.2A	*	.08	.06	.045
670055CK	IRFP150N	♦	TO-247	N-Ch	100	42A	1.35	.95	.79	.72
256031CK	BS170	♦	TO-92	N-Ch	60	—	*	.10	.07	.06
670063CK	IRFL210	♦	SOT-223	N-Ch	200	0.96A	.39	.37	.32	.30
670071CK	IRFR220N	♦	TO-252AA	N-Ch	200	5A	.45	.42	.39	.36
670080CK	IRFP250	♦	TO-247	N-Ch	200	30A	1.49	1.39	1.25	.99
670098CK	IRFP250N	♦	TO-247	N-Ch	200	30A	2.69	2.35	1.89	1.65
670101CK	IRFP260N	♦	TO-247	N-Ch	200	50A	2.69	2.15	1.95	1.65
670119CK	IRFR320	♦	TO-252AA	N-Ch	400	3.1A	.55	.49	.43	.41
670127CK	IRFR420	♦	TO-252AA	N-Ch	500	2.4A	.69	.61	.43	.40
670135CK	IRFP450	♦	TO-247	N-Ch	500	14A	2.05	1.65	1.49	1.25
670143CK	IRFP460	♦	TO-247	N-Ch	500	20A	2.59	2.39	2.29	2.09
209234CK	IRF510	♦	TO-220	N-Ch	100	5.6A	.69	.59	.55	.49
209226CK	IRF520	♦	TO-220	N-Ch	100	10.0A	.85	.59	.52	.31
209058CK	IRF520N	♦	TO-220	N-Ch	100	10.0A	.56	.52	.46	.34
210500CK	IRF530	♦	TO-220	N-Ch	100	14.0A	.66	.57	.52	.49
670151CK	IRF530N	♦	TO-220AB	N-Ch	100	17A	.59	.48	.37	.31
670160CK	IRL530N	♦	TO-220AB	N-Ch	100	17A	.59	.47	.42	.35
210518CK	IRF540	♦	TO-220	N-Ch	100	27.0A	\$1.0578	.63	.57	.48
670178CK	IRF540NS	♦	D2-Pack	N-Ch	100	33A	1.05	.90	.68	.64
670186CK	IRF540N	♦	TO-220	N-Ch	100	20A	1.05	.80	.72	.61
670194CK	IRL540N	♦	TO-220AB	N-Ch	100	30A	.89	.83	.78	.72
670207CK	IRF610	♦	TO-220AB	N-Ch	200	3.3A	.49	.39	.35	.29
210526CK	IRF620	♦	TO-220	N-Ch	200	6.0A	.45	.42	.35	.32
670215CK	IRF624	♦	TO-220AB	N-Ch	250	4.4A	.65	.49	.45	.37
210534CK	IRF630	♦	TO-220	N-Ch	200	9.0A	.61	.55	.49	.36
210542CK	IRF640	♦	TO-220	N-Ch	200	18.0A	.69	.65	.57	.49
670223CK	IRF640NS	♦	D2-Pack	N-Ch	200	18A	1.19	.99	.88	.69
670231CK	IRF644	♦	TO-220AB	N-Ch	250	14A	.82	.73	.61	.54
670240CK	IRF720	♦	TO-220AB	N-Ch	400	3.3A	.56	.45	.41	.34
210551CK	IRF730	♦	TO-220	N-Ch	400	5.5A	.64	.62	.58	.43
210569CK	IRF740	♦	TO-220	N-Ch	400	10.0A	1.25	1.10	.89	.80
210577CK	IRF820	♦	TO-220	N-Ch	500	4.0A	.48	.46	.43	.30
210585CK	IRF830	♦	TO-220	N-Ch	500	4.5A	.65	.62	.59	.57
184719CK	IRF840	♦	TO-220	N-Ch	500	8.0A	1.28	1.05	.88	.50
670258CK	IRF1010E	♦	TO-220AB	N-Ch	60	84A	1.55	1.40	1.26	1.15
670266CK	IRF1010N	♦	TO-220AB	N-Ch	55	85A	1.19	1.14	1.09	.99
670274CK	IRF1310N	♦	TO-220AB	N-Ch	100	42A	1.29	1.03	.93	.78
670282CK	IRF1405	♦	TO-220AB	N-Ch	55	169A	3.19	2.86	2.39	1.85
670291CK	IRL2203N	♦	TO-220AB	N-Ch	30	116A	1.45	1.39	1.29	1.15
279460CK	VN2222LL	♦	TO-92	N-Ch	60	.75A	.23	.20	.16	.14
670303CK	IRLML2402	♦	SOT-23	N-Ch	20	1.2A	.22	.17	.15	.13
279486CK	VN2410L	♦	TO-92	N-Ch	240	1.0A	.35	.30	.25	.22
279478CK	VN2406L	♦	TO-92	N-Ch	240	1.0A	.55	.44	.34	.21

♦ Jameco Value Offering

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New **Sale** **Lower\$** **QtySave**

Order 24/7 Toll Free 1-800-831-4242

MOSFETs (Continued)

NEW

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BVDS	Min. On-St. DS Current	1	10	100	1000
670311CK	IRLL2705	◆	SOT-223	N-Ch	55	5.2A \$1.09	\$1.03	\$1.03	\$1.03	\$1.03
670320CK	IRLML2803	◆	SOT-23	N-Ch	30	1.2A .....16	.15	.14	.13	
670338CK	IRF2807	◆	TO-220AB	N-Ch	75	82A .....1.95	1.75	1.55	1.43	
670346CK	IRL2910	◆	TO-220AB	N-Ch	100	55A .....1.89	1.79	1.63	1.43	
618089CK	IRF3205	◆	TO-220	N-Ch	55	110A .....2.39	1.75	1.45	1.26	
670354CK	IRF3415	◆	TO-220AB	N-Ch	150	43A .....1.45	1.15	1.05	.89	
618071CK	IRL3705	◆	TO-220	N-Ch	55	89A .....1.37	1.13	.90	.84	
670362CK	IRF3710	◆	TO-220AB	N-Ch	100	57A .....1.29	1.05	.93	.85	
670371CK	IRFSP37N50A	◆	Super-247	N-Ch	500	36A .....6.95	6.19	5.15	4.75	
670389CK	IRFL4310	◆	SOT-223	N-Ch	100	2.2A .....1.29	1.05	.77	.72	
255020CK	SI4410DY	◆	SOIC-8	N-Ch	30	20A .....97	.87	.65	.488	
255038CK	SI4420DY	◆	SOIC-8	N-Ch	30	30A .....1.99	1.88	1.62	1.21	
255071CK	SI4884DY	◆	SOIC-8	N-Ch	30	40A .....72	.64	.53	.43	
670725CK	IRF7201	◆	SOIC-8	N-Ch	30	10A .....61	.58	.49	.41	
670397CK	IRF7401	◆	SOIC-8	N-Ch	20	10A .....69	.62	.43	.41	
670400CK	IRF7413	◆	SOIC-8	N-Ch	30	12A .....1.09	.79	.59	.52	
670418CK	IRF7455	◆	SOIC-8	N-Ch	30	15A .....95	.86	.72	.67	
670426CK	IRF7811A	◆	SOIC-8	N-Ch	28	11A .....85	.77	.64	.59	
670434CK	IRFD9120	◆	DIP-4	N-Ch	100	1.4A .....61	.58	.57	.54	
178669CK	2N7000	◆	FSC	TO-92	N-Ch	60	0.2A .....23	.13	.10	.095
119423CK	2N7000	◆	TO-92	N-Ch	60	0.3A*	.11	.10	.09	
140169CK	2N7002	◆	SOT-23	N-Ch	60	0.5A*	.08	.06	.03	
256057CK	BS250	◆	TO-92	P-Ch	-45	—37	.34	.30	.20	
255046CK	SI4435DY	◆	SOIC-8	P-Ch	-30	-40A .....79	.66	.48	.33	
255054CK	SI4463DY	◆	SOIC-8	P-Ch	-20	-30A .....1.65	1.58	1.44	1.31	
255062CK	SI4467DY	◆	SOIC-8	P-Ch	-12	-20A .....1.15	1.10	1.05	.99	
670442CK	IRF4905	◆	TO-220AB	P-Ch	-55	-74A .....1.75	1.63	1.53	1.31	
670451CK	IRF4905S	◆	D2-Pack	P-Ch	-55	-74A .....2.15	1.65	1.39	1.19	
670469CK	IRLML5103	◆	SOT-23	P-Ch	-30	-0.76A .....17	.16	.15	.14	
670477CK	IRF5210	◆	TO-220AB	P-Ch	-100	-40A .....1.65	1.13	.95	.79	
670485CK	IRF5305	◆	TO-220AB	P-Ch	-55	-31A .....1.15	1.01	.82	.69	
670493CK	IRFR5305	◆	TO-252AA	P-Ch	-55	-31A .....79	.74	.70	.59	
670506CK	IRFR5410	◆	TO-252AA	P-Ch	-100	-13A .....59	.50	.45	.37	
670514CK	IRLML6302	◆	SOT-23	P-Ch	-20	-0.78A .....22	.17	.15	.13	
670522CK	IRLML6401	◆	SOT-23	P-Ch	-12	-12A .....26	.21	.19	.16	
670531CK	IRF7404	◆	SOIC-8	P-Ch	-20	-7.7A .....55	.49	.41	.38	
670549CK	IRF7416	◆	SOIC-8	P-Ch	-30	-10A .....1.05	.73	.60	.57	
670557CK	IRFL9014	◆	SOT-223	P-Ch	-60	-19A .....79	.51	.39	.33	
670565CK	IRFR9024	◆	TO-252AA	P-Ch	-60	-8.8A .....72	.63	.57	.47	
670573CK	IRFR9024N	◆	TO-252AA	P-Ch	-55	-11A .....63	.51	.45	.38	
670581CK	IRF9234N	◆	TO-220AB	P-Ch	-55	-1.8A .....70	.66	.62	.52	
670590CK	IRFR9120	◆	TO-252AA	P-Ch	-100	-5.6A .....65	.59	.52	.43	
670602CK	IRFR9120N	◆	TO-252AA	P-Ch	-100	-6.6A .....61	.43	.36	.33	
670611CK	IRFR9220	◆	TO-252AA	P-Ch	-200	-3.6A .....1.19	1.09	.90	.86	
670629CK	IRF9520	◆	TO-220AB	P-Ch	-100	6A .....99	.92	.86	.77	
670741CK	IRF9530	◆	TO-220AB	P-Ch	-100	-12A .....68	.55	.49	.41	
670637CK	IRF9530N	◆	TO-220AB	P-Ch	-100	-14A .....79	.62	.55	.46	
670645CK	IRF9540N	◆	TO-220AB	P-Ch	-100	-23A .....1.05	.85	.76	.63	
670653CK	IRF9640	◆	TO-220AB	P-Ch	-200	-11A .....1.09	.94	.85	.70	
670661CK	IRF7103	◆	SOIC-8	Dual N-Ch	50	3A .....43	.39	.32	.29	
670670CK	IRF7303	◆	SOIC-8	Dual N-Ch	30	5.3A .....75	.66	.47	.45	
670688CK	IRF7306	◆	SOIC-8	Dual P-Ch	-30	-4A .....75	.60	.42	.40	
670696CK	IRF7313	◆	SOIC-8	Dual N-Ch	30	6.5A .....85	.77	.64	.59	
255089CK	SI4963DY	◆	SOIC-8	Dual P-Ch	-20	-20A .....1.09	1.08	1.07	1.06	
670709CK	IRF7314	◆	SOIC-8	Dual P-Ch	-20	-5.3A .....82	.58	.48	.45	
670733CK	IRF7105	◆	SOIC-8	Dual N & P Ch	25/25	3.5/-2.3A .....35	.32	.30	.28	
670717CK	IRF7309	◆	SOIC-8	Dual N & P Ch	30/-30	4.7/-3.5A .....73	.65	.46	.43	

◆ Jameco Value Offering FSC = Fairchild Semiconductor *10 pcs. in Transistor cabinet kit, pg 43

Small Signal Diodes

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Description	10	100	500	1000
655728CK	BAV20	◆	DO-35	200VRRM, 0.2A	.029	.017	.014	.013
655859CK	BAV21	◆	DO-35	250VRRM, 0.2A	.029	.017	.014	.013
65584CK	BAS29	◆	SOT-23	120VRRM, 0.2A	.041	.025	.022	.019
656122CK	BAS35	◆	SOT-23	120VRRM, 0.2A	.057	.025	.023	.02
655963CK	BAY71	◆	DO-35	50VRRM, 0.3A	.033	.017	.014	.013
655605CK	BAY72	◆	DO-35	125VRRM, 0.2A	.033	.017	.014	.013
655613CK	BAY73	◆	DO-35	125VRRM, 0.5A	.033	.017	.014	.013
656173CK	BAW74	◆	SOT-23	50VRRM, 0.2A	.057	.025	.023	.02
656093CK	BAW76	◆	DO-35	85VRRM, 0.3A	.033	.017	.014	.013
655939CK	1N456A	◆	DO-35	30VRRM, 0.5A	.029	.017	.014	.011

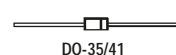
Small Signal Diodes (Continued)

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Description	10	100	500	1000
655998CK	FDLL457A	◆	LL-34	70VRRM, 0.2A	.034	.023	.02	.019
655971CK	1N457	◆	DO-35	70VRRM, 0.2A	.029	.017	.014	.012
655980CK	1N457A	◆	DO-35	70VRRM, 0.2A	.029	.017	.014	.012
655630CK	1N458A	◆	DO-35	150VRRM, 0.5A	.029	.017	.014	.012
655779CK	1N459	◆	DO-35	200VRRM, 0.5A	.029	.017	.014	.012
655787CK	1N459A	◆	DO-35	200VRRM, 0.5A	.031	.017	.014	.012
655841CK	1N486B	◆	DO-35	250VRRM, 0.2A	.035	.017	.014	.013
655331CK	FDLL914	◆	LL-34	100VRRM, 0.2A	.033	.017	.014	.013
655349CK	FDLL914A	◆	LL-34	100VRRM, 0.2A	.039	.017	.014	.013
655357CK	FDLL914B	◆	LL-34	100VRRM, 0.2A	.033	.017	.014	.013
655269CK	1N914A	◆	DO-35	100VRRM, 0.2A	.025	.015	.013	.009
655277CK	1N914B	◆	DO-35	100VRRM, 0.2A	.039	.017	.014	.012
655285CK	1N916	◆	DO-35	100VRRM, 0.2A	.025	.015	.013	.009
655293CK	1N916A	◆	DO-35	100VRRM, 0.2A	.033	.017	.014	.012
655306CK	1N916B	◆	DO-35	100VRRM, 0.2A	.025	.015	.013	.009
656106CK	MMBD1205	◆	SOT-23	100VRRM, 0.2A	.059	.025	.023	.02
656131CK	MMBD1405	◆	SOT-23	200VRRM, 0.2A	.049	.033	.029	.025
656270CK	MMBD2838	◆	SOT-23	75VRRM, 0.2A	.057	.025	.023	.019
656018CK	1N306A	◆	DO-35	75VRRM, 0.3A	.019	.017	.014	.013
655752CK	MMSD3070	◆	SOD-123	200VRRM, 0.2A	.09	.042	.037	.032
655761CK	1N3070	◆	DO-35	200VRRM, 0.5A	.033	.017	.014	.013
655314CK	FDLL4148	◆	LL-34	100VRRM, 0.2A	.029	.017	.014	.011
656114CK	MMBD4148	◆	SOT-23	100VRRM, 0.2A	.058	.025	.023	.019
656202CK	MMBD41480C	◆	SOT-23	100VRRM, 0.2A	.058	.025	.023	.019
656296CK	MMBD4148SE	◆	SOT-23	100VRRM, 0.2A	.058	.025	.023	.019
655411CK	MMSD4148	◆	SOD-123	100VRRM, 0.6A	.059	.037	.03	.023
655390CK	1N4149	◆	DO-35	100VRRM, 0.3A	.019	.013	.009	.008
655955CK	1N4152	◆	DO-35	40VRRM, 0.2A	.028	.017	.014	.011
656026CK	1N4305	◆	DO-35	75VRRM, 0.3A	.019	.013	.008	.007
655322CK	FDLL4448	◆	LL-34	100VRRM, 0.2A	.039	.017	.014	.013
655242CK	1N4448	◆	DO-35	100VRRM, 0.2A	.019	.013	.008	.007
655795CK	1N4938	◆	DO-35	200VRRM, 0.5A	.035	.017	.014	.013

Zener Diodes



DO-35/41

SOD-123

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	V _{znom}	Pwr Dissipation	10	100	500	1000
36290CK	1N751A*⊕	✦	DO-35	5.1V	0.5W	\$.06	\$.052	\$.045	\$.022
288665CK	MMSZ4697⊕	✦	SOD-123	10V	0.5W .....	.108	.059	.05	.045
178765CK	1N4730A	✦	DO-41	3.9V	1W .....	.05	.035	.025	.022
178773CK	1N4732A⊕	VSH	DO-41	4.7V	1W .....	.088	.069	.056	.044
178781CK	1N4733A⊕	VSH	DO-41	5.1V	1W .....	.09	.06	.05	.04
36097CK	1N4733A*⊕	✦	DO-41	5.1V	1W .....	.08	.065	.042	.026
178790CK	1N4734A⊕	VSH	DO-41	5.6V	1W .....	.038	.035	.032	.029
36118CK	1N4734A⊕	✦	DO-41	5.6V	1W .....	.073	.055	.05	.045
178802CK	1N4735A⊕	VSH	DO-41	6.2V	1W .....	.049	.044	.04	.036
36126CK	1N4735A*⊕	✦	DO-41	6.2V	1W .....	.07	.045	.041	.035
178811CK	1N4737A⊕	✦	DO-41	7.5V	1W .....	.06	.039	.036	.032
178829CK	1N4738A⊕	✦	DO-41	8.2V	1W .....	.06	.035	.03	.025
178837CK	1N4739A⊕	✦	DO-41	9.1V	1W .....	.057	.038	.032	.029
178845CK	1N4740A⊕	✦	DO-41	10V	1W .....	.03	.027	.024	.022
178853CK	1N4742A⊕	VSH	DO-41	12V	1W .....	.03	.027	.025	.021
36169CK	1N4742A*⊕	✦	DO-41	12V	1W .....	.07	.055	.045	.032
178861CK	1N4744A⊕	VSH	DO-41	15V	1W .....	.03	.027	.025	.021
36185CK	1N4744A⊕	✦	DO-41	15V	1W .....	.058	.035	.026	.021
178888CK	1N4747A⊕	✦	DO-41	20V	1W .....	.023	.022	.018	.015
178896CK	1N4748A	✦	DO-41	22V	1W .....	.032	.029	.027	.024
178909CK	1N4749A	✦	DO-41	24V	1W .....	.042	.039	.035	.032
183450CK	1N4750A⊕	✦	DO-41	27V	1W .....	.022	.02	.018	.016
179004CK	1N5225B⊕	✦	DO-35	3.0V	0.5W .....	.041	.025	.015	.014
288702CK	MMSZ5226B⊕	✦	SOD-123	3.3V	0.5W .....	.079	.067	.064	.045
179021CK	1N5229B⊕	✦	DO-35	4.3V	0.5W .....	.023	.021	.019	.017
179039CK	1N5230B	✦	DO-35	4.7V	0.5W .....	.04	.032	.023	.02
179047CK	1N5231B⊕	✦	DO-35	5.1V	0.5W .....	.04	.035	.03	.027
179063CK	1N5234B	✦	DO-35	6.2V	0.5W .....	.029	.026	.025	.024
313390CK	MMBZ5241B⊕	✦	SOT-23	11V	0.35W .....	.115	.069	.059	.042
179098CK	1N5242B⊕	✦	DO-35	12V	0.5W .....	.032	.029	.026	.024
179135CK	1N5250B	✦	DO-35	20V	0.5W .....	.023	.021	.019	.018
288788CK	MMSZ5257⊕	✦	SOD-123	33V	0.5W .....	.116	.05	.044	.033

Diodes

NEW

Package (see pg 44)

Part No.	Product No.	Mfr.	Pkg.	Description	* Minimum order 10 pieces			
					1	10	100	1000
140185CK	BAS16	◆	SOT-23	70PRV, 1A (Switching)	* \$.041	\$.037	\$.029	
655576CK	BAS19	◆	SOT-23	120VRM, 0.2A (Switching)	* .041	.025	.022	
655592CK	BAV19	◆	DO-35	120BV, 0.2A (General purpose) ..	* .033	.017	.014	
655875CK	BAS21	◆	SOT-23	250BV, 0.6A (General purpose) ..	* .054	.025	.023	
656350CK	BAV23S	◆	SOT-23	250VRM, 0.2A (General purpose) ..	* .075	.033	.029	
656317CK	BAS31	◆	SOT-23	120BV, 0.2A (General purpose) ..	* .057	.025	.023	
254852CK	BAT54	◆	SOT-23	30PRV, 0.6A (Schottky)	* .12	.09	.067	
254844CK	BAT54A	◆	SOT-23	30PRV, 0.6A (Schottky)	* .05	.03	.022	
254836CK	BAT54C	◆	SOT-23	30PRV, 0.6A (Schottky)	* .18	.13	.097	
254828CK	BAT54S	◆	SOT-23	30PRV, 0.6A (Schottky) .....	.21	.075	.05	.04
140177CK	BAW56	◆	SOT-23	70PRV, 0.25A (Switching)	* .079	.055	.032	
656034CK	BAW62	◆	DO-35	75VRM, 0.3A (Switching)	* .033	.017	.014	
140206CK	BAV70	◆	SOT-23	70PRV, 0.25A (Switching)	* .059	.03	.022	
656253CK	BAV74	◆	SOT-23	50BV, 0.2A (Ultrafast)	* .059	.025	.023	
140193CK	BAV99	◆	SOT-23	70PRV, 1A (Switching)	* .05	.045	.038	
655808CK	BAV102	◆	LL-34	200BV, 0.5A (General purpose) ..	* .057	.025	.023	
655867CK	BAV103	◆	LL-34	250BV, 0.5A (General purpose) ..	* .057	.025	.023	
656341CK	FLLD261	◆	SOT-23	200BV, 0.6A (Low leakage)	* .049	.033	.029	
35941CK	1N270	◆	DO-7	80PRV (Germanium) .....	.99	.86	.74	.61
655648CK	FDH300	◆	DO-35	150BV, 0.5A (Low leakage)	* .041	.025	.023	
655656CK	FDH300A	◆	DO-35	150BV, 0.5A (Low leakage)	* .041	.025	.023	
655681CK	FDLL300	◆	LL-34	150BV, 0.5A (Low leakage)	* .041	.025	.023	
655699CK	FDLL300A	◆	LL-34	150BV, 0.5A (Low leakage)	* .034	.022	.02	
655664CK	FDH333	◆	DO-35	150BV, 0.5A (Low leakage)	* .041	.025	.023	
655701CK	FDLL333	◆	LL-34	150BV, 0.5A (Low leakage)	* .033	.022	.017	
655816CK	FDH400	◆	DO-35	200BV, 0.5A (General purpose) ..	* .041	.025	.023	
655824CK	FDLL400	◆	LL-34	200BV, 0.5A (General purpose) ..	* .049	.025	.023	
655832CK	FDLL485B	◆	LL-34	200BV, 0.5A (Low leakage)	* .049	.025	.023	
656069CK	FDH600	◆	DO-35	75BV, 0.4A (Ultrafast)	* .033	.017	.016	
655904CK	FDH700	◆	DO-35	30BV, 0.15A (Ultrafast)	* .041	.025	.023	
313402CK	MMBD914	◆	SOT-23	100 VRRM, 0.20A (Switching) ..	* .049	.047	.031	
655381CK	MMSD914	◆	SOD-123	100BV, 0.2A (Switching)	* .059	.037	.03	
179207CK	1N914	◆	VSH DO-35	100PRV (Switching)	* .05	.025	.016	
36311CK	1N914	◆	DO-35	75PRV, 0.01A (Switching)	* .022	.018	.014	
655912CK	FJH1100	◆	DO-35	30BV, 0.15A (Ultra low leakage) ..	8.95	7.53	6.09	5.48
312101CK	MBR1100	◆	DO-41	100PRV, 1.0A (Schottky) .....	.26	.145	.096	.074
655921CK	FJH1102	◆	DO-35	30BV, 0.15A (Ultra low leakage) ..	7.75	6.18	5.82	5.24
655365CK	MMBD1201	◆	SOT-23	100BV, 0.2A (Ultrafast)	* .049	.025	.022	
656288CK	MMBD1203	◆	SOT-23	100BV, 0.2A (Ultrafast)	* .039	.025	.023	
656190CK	MMBD1204	◆	SOT-23	100BV, 0.2A (Ultrafast)	* .039	.025	.023	
655736CK	MMBD1401	◆	SOT-23	200BV, 0.2A (General purpose) ..	* .049	.025	.022	
655883CK	MMBD1401A	◆	SOT-23	250BV, 0.6A (General purpose) ..	* .041	.025	.023	
656325CK	MMBD1403	◆	SOT-23	200BV, 0.2A (General purpose) ..	* .049	.025	.023	
656368CK	MMBD1403A	◆	SOT-23	250BV, 0.6A (General purpose) ..	* .049	.033	.029	
656211CK	MMBD1404	◆	SOT-23	200BV, 0.2A (General purpose) ..	* .049	.025	.023	
656237CK	MMBD1404A	◆	SOT-23	250BV, 0.6A (General purpose) ..	* .057	.033	.029	
656157CK	MMBD1405A	◆	SOT-23	250BV, 0.6A (General purpose) ..	* .057	.033	.029	
655744CK	MMBD1501A	◆	SOT-23	200BV, 0.2A (Low leakage)	* .041	.025	.023	
656333CK	MMBD1503A	◆	SOT-23	200BV, 0.2A (Low leakage)	* .075	.033	.029	
656229CK	MMBD1504A	◆	SOT-23	200BV, 0.2A (Low leakage)	* .057	.033	.029	
656149CK	MMBD1505A	◆	SOT-23	200BV, 0.2A (Low leakage)	* .057	.033	.029	
655891CK	MMBD1701	◆	SOT-23	30BV, 0.05A (Low leakage)	* .041	.025	.022	
656376CK	MMBD1703	◆	SOT-23	30BV, 0.05A (Low leakage)	* .059	.025	.023	
656245CK	MMBD1704A	◆	SOT-23	30BV, 0.05A (Low leakage)	* .049	.025	.023	
656165CK	MMBD1705	◆	SOT-23	30BV, 0.05A (Low leakage)	* .049	.025	.023	
655672CK	FDH3595	◆	DO-35	150BV, 0.5A (Low leakage)	* .058	.033	.025	
655710CK	FDLL3595	◆	LL-34	150BV, 0.5A (Low leakage)	* .041	.025	.023	
35967CK	1N3600	◆	DO-35	50PRV, 0.2A (Switching)	* .04	.029	.017	
179215CK	1N4148	◆	VSH DO-35	100PRV (Switching)	* .04	.03	.025	
36038CK	1N4148	◆	DO-35	75PRV, 0.01A (Switching)	* .036	.027	.02	
151247CK	1N4148T	◆	DO-35	75PRV, 0.01A (Switching)	#	#	#	.009
94908CK	LL4148	◆	DL-35	75PRV @ 50A, 10mA	†	†	.021	.014
656077CK	FDLL4150	◆	LL-34	75BV, 0.4A (Ultrafast)	* .041	.025	.023	
656042CK	1N4150	◆	DO-35	75BV, 0.4A (Ultrafast)	* .033	.017	.014	
656000CK	1N4151	◆	DO-35	75VRM, 0.15A (Switching)	* .033	.017	.014	
655947CK	1N4154	◆	DO-35	35BV, 0.3A (Switching)	* .019	.014	.008	
313411CK	MMBD4148	◆	SOT-23	100VRM, 0.20A (Gen. Purp.) ..	* .048	.037	.029	

◆ Jameco Value Offering VSH = Vishay † Prepackaged: order in increments of 100
 * 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 49 # Taped-ammo style: order in increments of 1000

Diodes (Continued)

Package (see pg 44)

Part No.	Product No.	Mfr.	Pkg.	Description	* Minimum order 10 pieces			
					1	10	100	1000
655402CK	MMBD4448	◆	SOT-23	100BV, 0.6A (Switching)	* \$.049	\$.025	\$.022	
656051CK	1N4454	◆	DO-35	75BV, 0.4A (Ultrafast)	* .029	.017	.014	
656309CK	MMBD7000	◆	SOT-23	100BV, 0.2A (Ultrafast)	* .049	.025	.023	

◆ Jameco Value Offering VSH = Vishay
 * 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 49

Transient Voltage Suppressors

DO-15/41 DO-214AB

Quantity SAVE

Lower \$\$\$

* Minimum order 10 pieces

Part No.	Product No.	Watts	Pkg.	Min. Brkdown Volt. (V _{BR})	Stand-Off Voltage	1	10	100	1000
254879CK	SA6.0A⊕	500	DO-15	6.67	6.0	\$.24	\$.22	\$.17	\$.16
256701CK	SA12A⊕	500	DO-15	13.3	12.0	*	.13	.12	.11
254991CK	SA12CA⊕	500	DO-15	13.3	12.0	.22	.20	.16	.12
254983CK	SA13A⊕	500	DO-15	14.4	13.0	*	.14	.12	.09
254975CK	SA15A⊕	500	DO-15	16.7	15.0	.26	.23	.19	.14
254967CK	SA20A⊕	500	DO-15	22.2	20.0	.20	.18	.14	.105
254916CK	SA24A⊕	500	DO-15	26.7	24.0	.25	.22	.20	.17
254908CK	SA28A⊕	500	DO-15	31.1	28.0	.31	.28	.24	.16
254895CK	SA30A⊕	500	DO-15	33.3	30.0	.31	.28	.22	.165
254887CK	SA30CA⊕	500	DO-15	33.3	30.0	\$.46	.32	.29	.24
256663CK	P6KE6.8A⊕	600	DO-15	6.45	5.8	*	.14	.13	.096
256647CK	P6KE7.5A⊕	600	DO-15	7.13	6.4	*	.19	.16	.12
256639CK	P6KE9.1A⊕	600	DO-15	8.65	7.8	.27	.255	.23	.15
288999CK	P6KE10A⊕	600	DO-15	9.5	8.55	.30	.28	.23	.17
288981CK	P6KE10CA⊕	600	DO-15	9.5	8.55	*	.25	.20	.15
289035CK	P6KE12A⊕	600	DO-15	11.4	10.2	.22	.19	.17	.127
289043CK	P6KE12CA⊕	600	DO-15	11.4	10.2	*	.23	.21	.157
255943CK	P6KE16A⊕	600	DO-15	15.2	13.6	*	.14	.13	.097
255935CK	P6KE16CA⊕	600	DO-15	15.2	13.6	*	.16	.13	.097
255919CK	P6KE18A⊕	600	DO-15	17.1	15.3	.22	.19	.17	.16
255901CK	P6KE18CA⊕	600	DO-15	17.1	15.3	.23	.22	.20	.136
255863CK	P6KE20A⊕	600	DO-15	19.0	17.1	*	.12	.11	.083
272102CK	P6KE22A⊕	600	DO-15	20.9	18.8	*	.125	.109	.103
255855CK	P6KE24A⊕	600	DO-15	22.8	20.5	.23	.22	.20	.135
255847CK	P6KE24CA⊕	600	DO-15	22.8	20.5	*	.17	.15	.12
255821CK	P6KE27A⊕	600	DO-15	25.7	23.1	.31	.28	.22	.165
255812CK	P6KE27CA⊕	600	DO-15	25.7	23.1	.26	.23	.21	.155
255804CK	P6KE30A⊕	600	DO-15	28.5	25.6	.27	.25	.21	.14
255791CK	P6KE30CA⊕	600	DO-15	28.5	25.6	.28	.25	.20	.15
255783CK	P6KE33A⊕	600	DO-15	31.4	28.2	.25	.22	.18	.135
255775CK	P6KE33CA⊕	600	DO-15	31.4	28.2	.25	.22	.18	.135
255767CK	P6KE36A⊕	600	DO-15	34.2	30.8	.24	.21	.19	.14
255759CK	P6KE39A⊕	600	DO-15	37.1	33.3	.20	.17	.14	.10
255741CK	P6KE39CA⊕	600	DO-15	37.1	33.3	*	.17	.16	.12
256698CK	P6KE47A⊕	600	DO-15	44.7	40.2	.21	.19	.17	.11
256680CK	P6KE47CA⊕	600	DO-15	44.7	40.2	*	.17	.16	.12
256671CK	P6KE51A⊕	600	DO-15	48.5	43.6	.22	.19	.17	.13
256655CK	P6KE68A⊕	600	DO-15	64.6	58.1	.26	.23	.19	.14
256621CK	P6KE91A⊕	600	DO-15	86.5	77.8	.26	.23	.19	.14
288956CK	P6KE100A⊕	600	DO-15	95	85.5	*	.17	.13	.124
316849CK	P6KE100CA⊕	600	DO-15	95	85.5	.35	.31	.27	.18
255951CK	P6KE150CA⊕	600	DO-15	143.0	128.0	.21	.19	.15	.11
255927CK	P6KE180A⊕	600	DO-15	171.0	154.0	.26	.23	.19	.14
255871CK	P6KE200A⊕	600	DO-15	190.0	171.0	.38	.34	.27	.203
255839CK	P6KE250CA⊕	600	DO-15	237.0	214.0	.23	.20	.16	.12
313146CK	SMCJ5.0A⊕	1500	DO-214AB	6.4	5	\$.04	.61	.54	.46
313120CK	SMCJ5.0CA⊕	1500	DO-214AB	6.4	5		.61	.506	.495
313103CK	SMCJ6.0A⊕	1500	DO-214AB	6.67	6	\$.073	.62	.48	.46
313218CK	SMCJ10A⊕	1500	DO-214AB	11.1	10	\$.076	.62	.50	.38
313234CK	SMCJ10CA⊕	1500	DO-214AB	11.1	10		.61	.51	.465
313200CK	SMCJ20A⊕	1500	DO-214AB	22.2	20	\$.099	.50	.44	.38
313197CK	SMCJ20CA⊕	1500	DO-214AB	22.2	20		.62	.515	.48
313171CK	SMCJ24A⊕	1500	DO-214AB	26.7	24	\$.073	.50	.44	.38
313189CK	SMCJ24CA⊕	1500	DO-214AB	26.7	24		.63	.56	.49
313162CK	SMCJ36A⊕	1500	DO-214AB	40	36		.45	.365	.302
313154CK	SMCJ36CA⊕	1500	DO-214AB	40	36	\$.08	.63	.60	.48
313082CK	SMCJ58CA⊕	1500	DO-214AB	64.4	58	\$.09	.66	.60	.47
618118CK	IN5908	1500	DO-41	6.0	—		.57	.51	.298

NEW



TO-220AB



TO-220F



TO-3P



TO-3PF



Fast-On Packaged



TO-252 D-Pack



TO-263 D2-Pack

SanRex® Through Hole - Standard Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657037CK	TMG5C60R	TO-220AB	Non-Ins. 5A, 600V	\$1.30	\$1.13	\$.88
657045CK	TMG5C80R	TO-220AB	Non-Ins. 5A, 800V	1.39	1.27	1.13
657053CK	TMG8C60R	TO-220AB	Non-Ins. 8A, 600V	.79	.74	.69
657061CK	TMG8C80R	TO-220AB	Non-Ins. 8A, 800V	1.49	1.38	1.23
657070CK	TMG10C60R	TO-220AB	Non-Ins. 10A, 600V	1.44	1.29	1.17
657088CK	TMG10C80R	TO-220AB	Non-Ins. 10A, 800V	.67	.63	.58
657096CK	TMG12C60R	TO-220AB	Non-Ins. 12A, 600V	.90	.84	.77
657109CK	TMG12C80R	TO-220AB	Non-Ins. 12A, 800V	1.00	.93	.86
657117CK	TMG16C60R	TO-220AB	Non-Ins. 16A, 600V	1.02	.95	.87
657125CK	TMG16C80R	TO-220AB	Non-Ins. 16A, 800V	1.02	.95	.87
657133CK	TMG20C60R	TO-220AB	Non-Ins. 20A, 600V	1.29	1.19	1.09
657150CK	TMG3C60F	TO-220F	Ins. 3A, 600V	.97	.86	.78
657176CK	TMG5C60F	TO-220F	Ins. 5A, 600V	.85	.80	.74
657184CK	TMG5C80F	TO-220F	Ins. 5A, 800V	1.49	1.37	1.23
657192CK	TMG8C60F	TO-220F	Ins. 8A, 600V	.81	.76	.71
657205CK	TMG8C80F	TO-220F	Ins. 8A, 800V	1.65	1.49	1.34
657213CK	TMG10C60F	TO-220F	Ins. 10A, 600V	1.55	1.40	1.27
657221CK	TMG10C80F	TO-220F	Ins. 10A, 800V	.90	.84	.78
657256CK	TMG16C60F	TO-220F	Ins. 16A, 600V	1.43	1.25	.97
657264CK	TMG16C80F	TO-220F	Ins. 16A, 800V	.98	.92	.85
657272CK	TMG20C60F	TO-220F	Ins. 20A, 600V	1.42	1.32	1.24
657310CK	TMG16C60L	TO-3P	Non-Ins. 16A, 600V	4.05	3.58	3.31
657328CK	TMG16C80L	TO-3P	Non-Ins. 16A, 800V	3.25	2.85	2.45
657336CK	TMG25C60L	TO-3P	Non-Ins. 25A, 600V	4.05	3.58	3.31
657344CK	TMG25C80L	TO-3P	Non-Ins. 25A, 800V	3.25	2.85	2.45
657352CK	TMG16C60J	TO-3PF	Ins. 16A, 600V	4.05	3.58	3.31
657361CK	TMG16C80J	TO-3PF	Ins. 16A, 800V	3.25	2.85	2.45
657379CK	TMG25C60J	TO-3PF	Ins. 25A, 600V	4.05	3.58	3.31
657387CK	TMG25C80J	TO-3PF	Ins. 25A, 800V	3.25	2.85	2.45

SanRex® Through Hole - Sensitive Gate Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657395CK	TMG5D60R	TO-220AB	Non-Ins. 5A, 600V	\$.70	\$.65	\$.61
657424CK	TMG8D80R	TO-220AB	Non-Ins. 8A, 800V	1.31	1.15	.89
657432CK	TMG10D60R	TO-220AB	Non-Ins. 10A, 600V	.81	.74	.67
657459CK	TMG12D60R	TO-220AB	Non-Ins. 12A, 600V	1.59	1.40	1.09
657483CK	TMG16D80R	TO-220AB	Non-Ins. 16A, 800V	1.02	.95	.87
657491CK	TMG20D60R	TO-220AB2	Non-Ins. 20A, 600V	1.42	1.32	1.24
657539CK	TMG3D60F	TO-220F	Ins. 3A, 600V	1.27	1.16	1.04
657555CK	TMG5D60F	TO-220F	Ins. 5A, 600V	1.45	1.29	1.00
657571CK	TMG8D60F	TO-220F	Ins. 8A, 600V	.83	.76	.70
657598CK	TMG10D60F	TO-220F	Ins. 10A, 600V	1.44	1.29	1.17
657619CK	TMG12D60F	TO-220F	Ins. 12A, 600V	.82	.75	.68
657635CK	TMG16D60F	TO-220F	Ins. 16A, 600V	.98	.90	.80
657643CK	TMG16D80F	TO-220F	Ins. 16A, 800V	.98	.92	.86
657651CK	TMG20D60F	TO-220F	Ins. 20A, 600V	1.42	1.32	1.24
657694CK	TMG16D60L	TO-3P	Non-Ins. 16A, 600V	4.05	3.58	3.31
657707CK	TMG16D80L	TO-3P	Non-Ins. 16A, 800V	3.25	2.85	2.45
657715CK	TMG25D60L	TO-3P	Non-Ins. 25A, 600V	4.05	3.58	3.31
657723CK	TMG25D80L	TO-3P	Non-Ins. 25A, 800V	3.25	2.85	2.45
657731CK	TMG16D60J	TO-3PF	Ins. 16A, 600V	4.05	3.58	3.31
657740CK	TMG16D80J	TO-3PF	Ins. 16A, 800V	3.25	2.85	2.45
657758CK	TMG25D60J	TO-3PF	Ins. 25A, 600V	4.05	3.58	3.31
657766CK	TMG25D80J	TO-3PF	Ins. 25A, 800V	3.25	2.85	2.45

* For cross references to Littelfuse, ST, and ON-Semi products, refer to datasheets.

SanRex® Surface Mount Device - Standard Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657774CK	TMG3C60D	TO-252 D-Pack	Non-Ins. 3A, 600V	\$1.13	\$.99	\$.76
657791CK	TMG5C60D	TO-252 D-Pack	Non-Ins. 5A, 600V	1.13	.99	.76
657838CK	TMG8C60H	TO-263 D2-Pack	Non-Ins. 8A, 600V	1.47	1.24	1.04
657871CK	TMG12C60H	TO-263 D2-Pack	Non-Ins. 12A, 600V	.71	.65	.59
657897CK	TMG16C60H	TO-263 D2-Pack	Non-Ins. 16A, 600V	1.42	1.32	1.24

SanRex® Surface Mount Device - Sensitive Gate Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657918CK	TMG2D60D	TO-252 D-Pack	Non-Ins. 2A, 600V	\$1.16	\$1.02	\$.77
657926CK	TMG2D80D	TO-252 D-Pack	Non-Ins. 2A, 800V	.96	.80	.64
657934CK	TMG3D60D	TO-252 D-Pack	Non-Ins. 3A, 600V	1.16	1.02	.77
658056CK	TMG16D60H	TO-263 D2-Pack	Non-Ins. 16A, 600V	1.42	1.32	1.24

SanRex® Surface Mount Device - $T_J = 150^\circ$ Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
664616CK	TMG2CQ60D	TO-252 D-Pack	Non-Ins. 3A, 600V	\$1.16	\$1.02	\$.77
658072CK	TMG2DQ60D	TO-252 D-Pack	Non-Ins. 2A, 600V	1.16	1.02	.77
658081CK	TMG3CQ60D	TO-252 D-Pack	Non-Ins. 3A, 600V	1.16	1.02	.77
658099CK	TMG3DQ80D	TO-252 D-Pack	Non-Ins. 3A, 800V	1.16	1.02	.77
658128CK	TMG8CQ60H	TO-263 D2-Pack	Non-Ins. 8A, 600V	1.47	1.24	1.04

SanRex® Fast-On Package Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
658187CK	TG25E40	Fast-On Package	Ins. 25A, 400V	\$5.99	\$5.29	\$4.89
658195CK	TG25E60	Fast-On Package	Ins. 25A, 600V	5.99	5.29	4.89
658208CK	TG35E40	Fast-On Package	Ins. 35A, 400V	7.29	6.44	5.95
658216CK	TG35E60	Fast-On Package	Ins. 35A, 600V	7.29	6.44	5.95
658241CK	TG25F40	Fast-On Package	Ins. 25A, 400V	5.99	5.29	4.89
658259CK	TG25F60	Fast-On Package	Ins. 25A, 600V	5.99	5.29	4.89
658267CK	TG35F40	Fast-On Package	Ins. 35A, 400V	7.29	6.44	5.95
658275CK	TG35F60	Fast-On Package	Ins. 35A, 600V	7.29	6.44	5.95

* For cross references to Littelfuse, ST, and ON-Semi products, refer to datasheets.

Diac/Triacs/Quadrac

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Type	Rating	1	10	100
160098CK	HT-32	TEC	DO-35	Diac	27.37 V _{BO} , 2A	* \$1.13	\$.12	
31819CK	SC146B	♦	TO-220	Triac	200 V _{DRM} , 10A (2N6342)	1.29	1.15	.99
31827CK	SC146M	♦	TO-220	Triac	600 V _{DRM} , 10A (2N6344)	1.99	1.69	1.49
160178CK	L401E3	TEC	TO-92	Triac	400 V _{DRM} , 1A	.57	.52	.47
220468CK	L4004F31	TEC	TO-220AB	Triac	400 V _{DRM} , 4A	.73	.70	.664
160186CK	L4004F51	TEC	TO-220AB	Triac	400 V _{DRM} , 4A	.85	.76	.69
220450CK	L4004L3	TEC	TO-220AB	Triac	400 V _{DRM} , 4A	1.09	.99	.90
160240CK	Q4004LT	TEC	TO-220AB	Quadrac	400 V _{DRM} , 4A	1.09	1.03	.97
160207CK	Q4008L4	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	1.19	1.06	.97
220492CK	Q4008R4	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	.95	.86	.77
139336CK	Q4015L5	♦	TO-220AB	Triac	400 V _{DRM} , 15A	1.55	1.36	1.25
160143CK	Q4025L6	TEC	TO-220AB	Triac	400 V _{DRM} , 25A	1.69	1.51	1.40
160215CK	Q6008L5	TEC	TO-220AB	Triac	600 V _{DRM} , 8A	1.09	.98	.88
160231CK	Q6015L5	TEC	TO-220AB	Triac	600 V _{DRM} , 15A	1.59	1.44	1.32
220513CK	Q6025P5	TEC	TO-3	Triac	600 V _{DRM} , 25A	6.45	5.81	5.29
220505CK	Q6025R6	TEC	TO-220AB	Triac	600 V _{DRM} , 25A	2.25	2.05	1.85
220521CK	Q6035P5	TEC	TO-3	Triac	600 V _{DRM} , 35A	6.65	5.88	5.44
140425CK	2N6071A	♦	TO-225AA	Triac	200 V _{DRM} , 4A	.29	.27	.25

♦ Jameco Value Offering TEC = Teccor

Visit Our Website at www.Jameco.com

Optoisolators

Quantity SAVE

Lower \$\$\$



Part No.	Cross Ref.	Pkg.	Description	* Minimum order 10 pieces		
				1	10	100
40985CK	4N25	DIP-6	Diode, NPN phototransistor	\$.22	\$.18	\$.16
41005CK	4N26	DIP-6	Diode, NPN phototransistor	.25	.22	.18
144240CK	4N27	DIP-6	Diode, NPN phototransistor	.24	.20	.15
41013CK	4N28	DIP-6	Diode, NPN phototransistor	.46	.372	.279
277421CK	4N29	DIP-6	General purpose photodarlington	.25	.21	.158
277456CK	4N30	DIP-6	General purpose photodarlington	.26	.216	.185
320565CK	4N31	DIP-6	General purpose photodarlington	.30	.273	.197
41021CK	4N32	DIP-6	Diode, NPN photodarlington	.26	.24	.21
41030CK	4N33	DIP-6	Diode, NPN photodarlington	.25	.24	.22
41056CK	4N35	DIP-6	Diode, NPN phototransistor	.24	.216	.213
277464CK	4N36	DIP-6	General purpose phototransistor	*	.17	.151
320371CK	4N37	DIP-6	General purpose phototransistor	.27	.264	.227
277481CK	4N38	DIP-6	High-voltage phototransistor	.51	.43	.323
277499CK	4N39	DIP-6	Photo SCR optocoupler	.86	.78	.70
277501CK	4N40	DIP-6	Photo SCR optocoupler	.93	.84	.76
277510CK	6N135	DIP-8	High-speed transistor optocoupler	.63	.54	.405
42471CK	6N136	DIP-8	High speed transistor optocoupler	.52	.473	.415
113911CK	6N137	DIP-8	High-speed logic optocoupler	.59	.50	.42
42489CK	6N138	DIP-8	Low input curr., hi-gain split darlington	.73	.62	.467
113929CK	6N139	DIP-8	High-speed, high-gain darlington	.75	.64	.51
320389CK	CNY17-1	DIP-6	High BVceo phototransistor	.26	.225	.153
320397CK	CNY17-2	DIP-6	High BVceo phototransistor	.27	.191	.143
320400CK	CNY17-3	DIP-6	High BVceo phototransistor	.26	.191	.153
320418CK	CNY17-4	DIP-6	High BVceo phototransistor	.26	.191	.153
2775561CK	H11A1	DIP-6	General purpose phototransistor	.27	.22	.20
18825CK	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor	.51	.383	.291
277587CK	H11A2	DIP-6	General purpose phototransistor	.30	.21	.158
320434CK	H11AA2	DIP-6	AC input phototransistor optocoupler	.35	.286	.26
277595CK	H11A3	DIP-6	General purpose phototransistor	\$.34	.22	.165
320442CK	H11AA3	DIP-6	AC input phototransistor optocoupler	.34	.274	.249
281201CK	H11A4	DIP-6	General purpose phototransistor	.34	.29	.218
320451CK	H11AA4	DIP-6	AC input phototransistor optocoupler	\$.52	.38	.307
320426CK	H11A5	DIP-6	General purpose phototransistor	.30	.183	.168
320573CK	H11B1	DIP-6	Photodarlington optocoupler	\$.45	.28	.18
320581CK	H11B2	DIP-6	Photodarlington optocoupler	\$.40	.30	.224
320602CK	H11B3	DIP-6	Photodarlington optocoupler	\$.48	.36	.31
18833CK	H11C3	DIP-6	Photo SCR optocoupler	.89	.74	.61
114008CK	H11C4	DIP-6	Photo SCR optocoupler	.78	.66	.59
277608CK	H11C6	DIP-6	Photo SCR optocoupler	.92	.78	.63
320493CK	H11D1	DIP-6	High voltage phototransistor	.57	.382	.361
320514CK	H11D2	DIP-6	High voltage phototransistor	\$.70	.44	.37
320522CK	H11D3	DIP-6	High voltage phototransistor	\$.70	.48	.41
113996CK	H11F1	DIP-6	Isolated FET	1.79	1.52	1.16
320186CK	H11F2	DIP-6	Photo FET optocouplers	1.75	1.49	1.12
320194CK	H11F3	DIP-6	Photo FET optocouplers	1.59	1.30	1.19
277712CK	H11G1	DIP-6	High-voltage photodarlington	\$.51	.45	.448
277721CK	H11G2	DIP-6	High-voltage photodarlington	\$.67	.38	.34
277747CK	H11G3	DIP-6	High-voltage photodarlington	.67	.57	.428
113988CK	H11L1	DIP-6	Schmitt trigger output photocoupler	\$1.09	.55	.50
320207CK	H11L2	DIP-6	Photo FET optocouplers	.71	.59	.48
320215CK	H11L3	DIP-6	Photo FET optocouplers	\$.74	.65	.55
320637CK	H11N1	DIP-6	High speed logic optocoupler	1.95	1.65	1.49
320645CK	H11N2	DIP-6	High speed logic optocoupler	1.89	1.55	1.39
138069CK	ISP817-3	DIP-4	Low power transistor output	.99	.84	.63
114083CK	ISO203	DIP-16	Quad channel NPN phototransistor	2.95	2.66	1.99
320477CK	MCT2	DIP-6	Phototransistor optocoupler	.42	.316	.24
320485CK	MCT4	TO-18	Hermetic phototransistor optocoupler	7.75	6.25	5.69
24918CK	MCT6	DIP-8	Dual channel NPN phototransistor	.56	.52	.47
26278CK	MOC3010	DIP-6	Bilateral triac driver	.56	.52	.345
95020CK	MOC3011	DIP-6	Bilateral triac driver	.68	.51	.388

Blue Part No. = Limited Quantity Available

Optoisolators (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
277763CK	MOC3012	DIP-6	Random phase triac driver	\$.70	\$.65	\$.49
277780CK	MOC3020	DIP-6	Random phase triac driver	.52	.398	.31
95038CK	MOC3021	DIP-6	Bilateral triac driver	.46	.39	.29
277801CK	MOC3022	DIP-6	Random phase triac driver	\$.49	.44	.398
277819CK	MOC3023	DIP-6	Random phase triac driver	\$.51	.38	.349
26294CK	MOC3031	DIP-6	Zero crossing triac driver	\$.72	.55	.457
113953CK	MOC3032	DIP-6	Zero crossing triac driver	.61	.52	.47
277827CK	MOC3033	DIP-6	Zero crossing triac driver	\$.74	.64	.62
277835CK	MOC3041	DIP-6	Zero crossing triac driver	.69	.61	.458
113961CK	MOC3042	DIP-6	Zero crossing triac driver	.65	.55	.413
277843CK	MOC3043	DIP-6	Zero crossing triac driver	.59	.53	.46
277860CK	MOC3051	DIP-6	Random phase triac driver	\$.73	.69	.66
277894CK	MOC3052	DIP-6	Random phase triac driver	\$.87	.57	.55
277915CK	MOC3061	DIP-6	Zero crossing phototriac driver	.64	.59	.50
277931CK	MOC3062	DIP-6	Zero crossing phototriac driver	\$.80	.69	.59
133874CK	MOC3063	DIP-6	Zero crossing triac driver	.63	.54	.42
320629CK	MOC3082	DIP-6	Zero crossing optoisolator	\$1.20	1.00	.81
320611CK	MOC3083	DIP-6	Zero crossing optoisolator	.98	.83	.62
320653CK	PS2501-1	DIP-4	Single transistor photocoupler	.20	.19	.185
320661CK	PS2501-2	DIP-8	Single transistor photocoupler	.51	.459	.418
160338CK	PS2501-4	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
320688CK	PS2502-1	DIP-4	Darlington photocoupler	.41	.39	.353
320696CK	PS2502-2	DIP-8	Darlington photocoupler	1.18	.96	.87
160362CK	PS2502-4	DIP-16	Photo darlington & transistor/detector	1.75	1.61	1.39
320709CK	PS2505-1	DIP-4	High isolation voltage photocoupler	.33	.32	.302
320717CK	PS2505-2	DIP-8	High isolation voltage photocoupler	.79	.76	.69
320725CK	PS2505-4	DIP-16	High isolation voltage photocoupler	1.29	1.18	1.06
320750CK	PS2506-1	DIP-4	High isolation voltage photocoupler	.54	.51	.462
320768CK	PS2506-2	DIP-8	High isolation voltage photocoupler	1.09	1.01	.92
320776CK	PS2506-4	DIP-16	High isolation voltage photocoupler	2.15	1.83	1.67
320784CK	PS2532-1	DIP-4	High collector to high emitter volt. photocoupler	.54	.46	.345
320792CK	PS2532-2	DIP-8	High collector to high emitter volt. photocoupler	\$1.19	1.09	.98
320805CK	PS2532-4	DIP-16	High collector to high emitter volt. photocoupler	\$2.25	1.95	1.87
320813CK	PS2561-1	DIP-4	High isolation voltage photocoupler	.23	.22	.21
320821CK	PS2561-2	DIP-8	High isolation voltage photocoupler	.75	.71	.68
320830CK	PS2561-4	DIP-16	High isolation voltage photocoupler	2.29	1.95	1.46

Slotted Optical Switches

4-pin w/ tab



4-pin w/o tab



Part No.	Cross Ref.	Pkg.	Description	1	10	100
114091CK	H21A1	4-pin w/ tab	Single channel slotted interrupter	\$.69	\$.64	\$.554
278011CK	H21A2	4-pin w/ tab	Phototransistor optical interrupter	.99	.71	.58
320901CK	H21A3	4-pin w/ tab	Phototransistor optical switch	.70	.61	.47
320928CK	H21A6	4-pin w/ tab	Phototransistor optical switch	.79	.64	.58
278070CK	H21B1	4-pin w/ tab	Photodarlington optical interrupter	\$.87	.76	.70
278088CK	H21B2	4-pin w/ tab	Photodarlington optical interrupter	1.09	.98	.74
278096CK	H21B3	4-pin w/ tab	Photodarlington optical interrupter	\$1.35	1.27	1.08
321007CK	H21B6	4-pin w/ tab	Photodarlington optical switch	.92	.75	.68
114104CK	H22A1	4-pin w/o tab	Slotted optical switch	.61	.51	.462
278029CK	H22A2	4-pin w/o tab	Slotted optical switch	1.15	1.05	.93
278045CK	H22A3	4-pin w/o tab	Slotted optical switch	.74	.63	.47
278109CK	H22B1	4-pin w/o tab	Photodarlington optical interrupter	\$.75	.68	.58
278117CK	H22B2	4-pin w/o tab	Photodarlington optical interrupter	.87	.71	.64
196058CK	ITR-8105	4-pin w/o tab	Slotted optical switch	.48	.42	.38
321120CK	MOC70P1	4-pin w/o tab	Phototransistor optical switch	.90	.73	.66
321138CK	QVE11233	4-pin w/o tab	Slotted optical switch	.64	.52	.47

Blue Part No. = Limited Quantity Available

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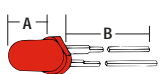


Fig. 1

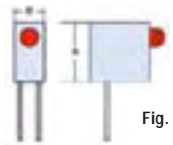


Fig. 2

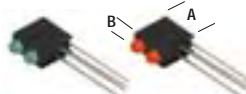


Fig. 3

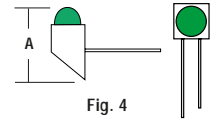


Fig. 4

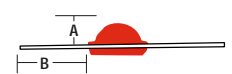


Fig. 5



Fig. 6

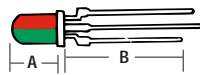


Fig. 7

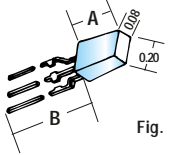


Fig. 8

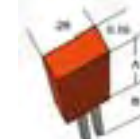


Fig. 9

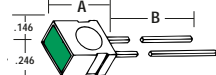


Fig. 10

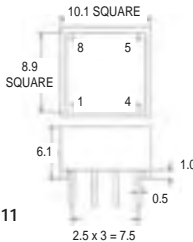


Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Standard-Output LEDs

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* Prepackaged: order in increments of 10, 100 or 1000


Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A*	B*						1	10	100	1000
333219CK	LY12340	1	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	*	\$.08	\$.063	\$.06
334211CK	LA16BY	2	Yellow	Yellow diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	.30	.284	.146	.102
34657CK	LY2040	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	*	.13	.11	.075
333884CK	UT6331-41	1	Yellow	Yellow diffused	T1	0.119/3	0.17	0.98	0.10	2.1	24	589	55	*	.088	.069	.049
333294CK	LVY2643-1	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	350	595	40	*	.16	.152	.144
206480CK	LVY2041	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	*	.14	.12	.10
235424CK	LA45B/2I	3	Red	Red diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	12	630	50	.99	.89	.71	.53
136282CK	LA44B/2I	3	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.49	.45	.39	.29
333868CK	UT6341R-41	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.17	1.00	0.10	2.1	35	630	55	*	.098	.06	.045
333366CK	LHRF2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	630	40	*	.174	.152	.144
333198CK	LE12340	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	635	112	*	.079	.064	.057
333876CK	UT6314R-41	1	Hi-eff Red	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	12	635	40	.27	.213	.102	.066
333171CK	HLMP-K155-JV	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	*	.079	.078	.057
333850CK	UT6371-41-M1	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	*	.098	.064	.061
333251CK	LSR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	120	660	40	.20	.196	.128	.109
333260CK	LHR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	.28	.19	.152	.144
206498CK	LHR2041	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	*	.15	.12	.09
334203CK	LA16B/H	2	Red	Red diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	4.2	697	50	.30	.284	.146	.102
94529CK	LH2040	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	*	.19	.15	.12
114673CK	LH2043	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	*	.19	.15	.12
94553CK	LHG2062	1	Red/Green	White diffused bi-color/bi-state	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.21	.16
333391CK	UT6341-41	1	Orange	Orange diffused	T1	0.119/3	0.17	0.94	0.10	2.1	35	630	55	.22	.182	.084	.068
333833CK	LI12340	1	Orange	Red diffused	T1	0.119/3	0.16	0.98	0.10	1.7	6.5	635	112	*	.098	.076	.054
34606CK	LSG2040	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	*	.15	.11	.08
333201CK	LG12340	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	*	.08	.063	.06
211087CK	LG2040	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	36	*	.11	.094	.071
334220CK	LA16B/G	2	Green	Green diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	15	565	50	.30	.284	.146	.102
235416CK	LA45B/2G	3	Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	.99	.89	.71	.53
136274CK	LA44B/2G	3	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.49	.45	.39	.29
333315CK	MV7441-JV	1	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	*	.17	.145	.124
175679CK	LVG2041	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.15	.11	.08
114681CK	LVG2043	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.09	.07	.055
137411CK	LVB2040	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	2.49	2.25	1.95	1.69
334457CK	LSBI2640	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	—	.75	.73	.69	.66
333382CK	UT63B1-41-M1A2	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.75	.714	.68	.66
34825CK	LY3330	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	*	.19	.15	.12
104264CK	LA93B/Y-1	4	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.35	.316	.256	.192
334406CK	LY9033	5	Yellow	Water clear	T1 3/4	0.197/5	0.05	0.27	0.03	1.7	30	585	20	*	.176	.104	.099
334107CK	UT1831-81-S	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	*	.098	.064	.061
333964CK	UT1834-81-S	1	Yellow	Yellow Clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	55.8	589	22	*	.098	.069	.049
334385CK	UT1833-81-M181	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	450	590	10	*	.098	.064	.061

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 57

Blue Part No. = Limited Quantity Available

Mounting Hardware listed on pages 55-57

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Color Code Legend			
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Jameco ValuePro Standard-Output LEDs (Continued)

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* See pg 51 for figures
* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical V _f	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333622CK	LHY3330/HO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	\$.31	\$.30	\$.192	\$.154
334377CK	UT1841R-81	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.098	.064	.061
334060CK	UT1841R-81-S	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	23.1	630	44	.27	.213	.102	.066
333921CK	UT1844R-81-S	1	Hi-eff Red	Red clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	78.8	630	22	*	.098	.069	.049
334271CK	LA93B/I	4	Hi-eff Red	Red diffused PCB mount indicators	T1 3/4	0.197/5	0.36	1.15	0.10	1.7	25	635	46	.30	.284	.146	.115
347111CK	LEG3362	1	Red/Green	White diffused bi-color/bi-state [†]	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.33	.28	.22	.19
333972CK	UT1871-81-M1	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.098	.064	.061
334115CK	UT1872-81-M1	1	Red	White diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	75	660	25	.25	.225	.122	.08
333454CK	LSR3330/HO/A	1	Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.5	140	660	40	*	.14	.128	.113
333462CK	LHR3330/HO/A	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	220	660	40	.23	.219	.146	.104
334035CK	UT1871-81-UR-P18	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	250	660	25	*	.098	.082	.078
333489CK	LUR3330/HO/A	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	380	660	40	.20	.174	.146	.104
945111CK	LH3330	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	*	.17	.13	.10
104248CK	LA93B/H-1	4	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	*	.23	.19	.17
347455CK	LH3333	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	*	.15	.11	.065
334174CK	LHI3360	6	Red/Orange	Red diffused bi-color/solid state [†]	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 3.0	697/635	30	.25	.213	.128	.092
334182CK	LGH3362	6	Red/Green	White diffused bi-color/solid state [†]	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.23	.222	.146	.104
346733CK	LHG3392	7	Red/Green	White diffused bi-color/tri-state [†]	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.24	.22	.20	.14
334051CK	UT1841-81-S	1	Orange	Orange diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	.22	.176	.102	.066
333243CK	UT2462-24-D51	7	Orange/Green	White diffused bi-color/tri-state [†]	T1 3/4	0.197/5	0.30	0.80	0.10	2.1	11.7	630/572	70	.23	.219	.119	.104
107393CK	LE3330	1	Orange Red	Orange diffused (XC556A)	T1 3/4	0.197/5	0.30	1.02	0.08	2.3	12	635	36	*	.15	.088	.066
333235CK	LI3350	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	15	635	70	*	.12	.103	.065
334001CK	LI3330	1	Orange	Orange diffused	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	24	635	36	*	.098	.069	.049
333913CK	LE3331	1	Orange	Orange transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	635	20	*	.118	.069	.049
347611CK	LG3330	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	*	.15	.14	.10
334086CK	LG13740	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.098	.064	.061
333227CK	LG13530	1	Hi-eff Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	*	.12	.102	.065
104256CK	LA93B/G-1	4	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	*	.23	.19	.17
11359CK	LG3333	1	Green	Water clear (BG5704)	T1 3/4	0.197/5	0.30	1.04	0.07	2.3	100	565	20	*	.15	.134	.10
333956CK	LG3331	1	Green	Green transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	150	565	20	*	.098	.064	.061
333534CK	LVG3333/S46	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	220	565	30	.23	.222	.147	.104
334393CK	UT1821-81-S	1	Green	Green diffused	T1 3/4	0.197/5	0.35	1.00	0.10	2.1	20	572	44	*	.098	.064	.061
333948CK	UT1824-81-S	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	68.1	572	22	*	.108	.069	.049
138691CK	LVB3330	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	2.15	2.04	1.95	1.79
137613CK	LSBI3333	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	2.29	2.04	1.63	1.22
134332CK	LT18B3-81UR	1	Blue	Water clear (383UBC)	T1 3/4	0.197/5	0.30	0.93	0.10	3.8	350	428	20	1.99	1.92	1.84	1.44
945611CK	LFG3360	1	Green	Green diffused blinking (XC5408) [†]	T1 3/4	0.197/5	0.30	1.05	0.08	3-12V	17	565	N/A	.59	.53	.48	.43
351038CK	MCDL-517GD-F	1	Green	Green diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	15	565	120	.51	.419	.289	.278
351046CK	MCDL-517YD-F	1	Yellow	Yellow diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351054CK	MCDL-517AD-F	1	Amber	Amber diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351011CK	MCDL-517ED-F	1	Hi-eff Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	20	635	120	.51	.419	.354	.278
351020CK	MCDL-517ED-EF	1	Orange	Orange diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	635	120	.51	.419	.354	.278
351062CK	MCDL-517SRD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	200	660	120	.57	.469	.323	.31
351071CK	MCDL-517LRD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	120	.57	.469	.323	.31
351097CK	MCDL-517URC-U14-F	1	Super Red	Water clear blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	30	.57	.469	.323	.31
34690CK	LFH3360	1	Red	Red diffused blinking (XC5410) [†]	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
138860CK	LFH3363	1	Red	Water clear blinking [†]	T1 3/4	0.197/5	0.35	1.06	0.10	3-12V	9	697	N/A	.56	.51	.403	.302
351003CK	MCDL-517HD-F	1	Bright Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	5.0	700	120	.52	.47	.413	.296
119634CK	LHR3930	1	Red	Red diffused Jumbo (LT9952L)	T2 1/2	0.315/8	0.44	0.84	0.07	2.0	100	660	44	.23	.20	.15	.113
137621CK	LVG3930	1	Green	Green diffused Jumbo	T2 1/2	0.315/8	0.43	1.04	0.07	2.3	40	565	44	.23	.211	.192	.122
98992CK	LY3630	1	Yellow	Yellow diffused XJumbo (XC10Y)	T3 1/4	0.394/10	0.54	1.04	0.08	2.3	15	585	42	.29	.26	.21	.16
138683CK	LHR3630	1	Red	Red diffused XJumbo (XC10R)	T3 1/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.45	.363	.313	.235
98984CK	LVG3630	1	Green	Green diffused XJumbo (XC10G)	T3 1/4	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.27	.26	.19	.13
379647CK	MCDL-833YD	1	Yellow	Yellow diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.1	25	590	60	.66	.58	.48	.358
379639CK	MCDL-833ED	1	Hi-eff Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.0	25	635	60	.66	.58	.48	.358
379663CK	MCDL-833SRD	1	Super Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	1.8	200	660	60	.76	.67	.54	.411
379604CK	MCDL-833DG	1	Green	Green diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.2	20	570	60	.66	.58	.48	.358
104889CK	LEG5292	8	Red/Green	White diff. bi-color rectangular [†]	2 x 5	—	0.27	1.02	0.08	2.3	6/6	695/565	116	.23	.215	.183	.137
333796CK	UT7231-81	9	Yellow	Yellow diffused rectangular	23x7.1	—	0.29	0.94	0.10	2.1	5.0	585	70	.29	.241	.119	.085
333761CK	UT7241-81	9	Hi-eff Red	Orange diffused rectangular	23x7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	*	.127	.08	.074
333770CK	UT7241R-81	9	Hi-eff Red	Red diffused rectangular	23x7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	*	.12	.102	.074
333788CK	UT7222-81	9	Green	White diffused rectangular	23x7.1	—	0.29	0.94	0.10	2.1	6.1	567	70	.29	.241	.119	.085
333702CK	UT7321-81	10	Green	Green diffused rectangular	3.2x6.2	—	0.28	0.80	0.10	2.1	8.8	567	60	.23	.207	.146	.105
333711CK	UT7331-81	10	Yellow	Yellow diffused rectangular	3.2x6.2	—	0.28	0.80	0.10	2.1	7.2	585	60	.25	.238	.158	.112
333690CK	UT7341R-81	10	Orange	Red diffused rectangular	3.2x6.2	—	0.28	0.80	0.10	2.1	10.1	635	60	.23	.207	.146	.105
94545CK	LG25030	10	Green	Green diff. rect. (XC57124G)	3.5 x 6	—	0.26	1.06	0.08	2.3	5.2	565	100	*	.19	.16	.15
333745CK	UT5221-81	9	Green	Green diffused rectangular	5.2x7.8	—	0.30	1.03	0.10	2.1	7.1	572	82	*	.088	.056	.053

See pg 51 for figures * 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 55 † Reverse polarity to change color † Volt. shown is operating volt. range; no current limiting resistor required. †† For mounting hardware see pg 55-57

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

See pg 51 for figures

JAMECO ValuePro Standard-Output LEDs (Continued)

Call for OEM PRICING - we carry major manufacturers. * Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333753CK	UT5231-81	9	Yellow	Yellow diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	5.9	589	82	*	\$1.08	\$0.76	\$0.54
333737CK	UT521R-81	9	Hi-eff Red	Red diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	8.3	630	82	*	.098	.076	.054
334650CK	UB3541R-11 NRAK	11	Orange	0.35" lightbar	8.9 x 8.9	.35/8.9	0.20	—	0.10	2.1	7.8	635	N/A	.80	.70	.48	.408
334668CK	UB3531-11 NYAK	11	Yellow	0.35" lightbar	8.9 x 8.9	.35/8.9	0.20	—	0.10	2.1	5.5	585	N/A	.83	.70	.48	.401
334676CK	UB3521-11 NGAK	11	Green	0.35" lightbar	8.9 x 8.9	.35/8.9	0.20	—	0.10	2.1	6.8	567	N/A	.83	.70	.48	.396
334326CK	LG-150Y-DT	12	Yellow	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	5	585	150	*	.13	.105	.085
334297CK	LG-150Y-CT	12	Yellow	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	588	150	*	.19	.147	.084
334318CK	LG-150E-DT	12	Hi-eff Red	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	8	635	150	*	.19	.147	.085
334289CK	LG150E-CT	12	Orange	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	635	150	*	.147	.104	.084
334334CK	LG-150G-DT	12	Green	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	10	573	140	*	.118	.095	.078
334300CK	LG-150G-CT	12	Green	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	12.5	573	140	*	.158	.112	.085
334781CK	LG-150DBK-CT	12	Blue	Water clear SMD 1206	SMD1206	—	0.06	0.13	—	3.5	40	470	150	2.29	2.20	1.72	1.31
334351CK	LY9553/TR1	13	Yellow	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	7.0	585	84	*	.15	.114	.102
334369CK	LG9533/TR1	13	Green	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	9.0	565	84	*	.15	.114	.103

DieLight

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Other Manufacturers — Great Deals

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26745CK	MCDL-170EC	5	Red	Water clear	T 3/4	0.083/2.1	0.06	0.25	0.11	2.1	7	635	N/A	\$.23	\$.207	\$.189	\$.18
202489CK	MVL-301Y	1	Yellow	Yellow diffused	T1	0.119/3	0.14	1.12	0.10	2.1	9.0	585	N/A	*	.10	.08	.06
211086CK	LTL-4231N-022	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	N/A	*	.053	.048	.043
202471CK	MVL-301HR	1	Orange Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	*	.062	.056	.05
135597CK	LTL307E*	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.07	2.0	19	635	N/A	*	.12	.086	.073
482679CK	5307H1	15	Red	Red right angle assembly	T1 3/4	0.197/5	0.57	0.13	0.10	2.0	6.3	650	N/A	.30	.284	.256	.192
320282CK	566-0306	14	Yellow	Yellow diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.1	3.5	583	N/A	.89	.76	.46	.40
320274CK	566-0206	14	Green	Green diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.2	4	565	N/A	1.15	.94	.53	.515
320291CK	566-0406	14	Red	Red diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.0	7.4	635	N/A	.89	.76	.46	.404
658291CK	MSL-194DR	12	Red	Water clear	SMD0603	---	0.03	0.06	---	1.8	20	660	130	*	.09	.075	.065
658304CK	MSL-174DR	12	Red	Water clear	SMD0805	---	0.05	0.08	---	1.8	20	660	130	*	.09	.075	.065
658283CK	MSL-154G	12	Green	Water clear	SMD1206	---	0.06	0.13	---	2.2	6.5	570	130	*	.12	.10	.09
658312CK	MSL-154DR	12	Red	Water clear	SMD1206	---	0.06	0.13	---	1.8	25	660	130	*	.12	.10	.09
658339CK	MSL-204Y	13	Yellow	Water clear	PLCC-2	---	0.08	0.13	---	2.1	182	590	120	.39	.37	.33	.19
658347CK	MSL-204MW	13	White	Water clear	PLCC-2	---	0.08	0.13	---	3.5	400	---	120	1.09	.99	.89	.69

See pg 51 for figures

†† For mounting hardware see pg 55-57

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 57

Blue Part No. = Limited Quantity Available

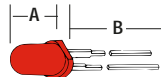


Fig. 1



Fig. 2

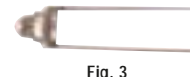


Fig. 3

* Prepackaged: order in increments of 10, 100 or 1000

JAMECO ValuePro Medium-Output LEDs

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333307CK	LUY2643-1	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	595	40	\$.26	\$.174	\$.161	\$.145
333278CK	LUR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	660	—	*	.16	.154	.147
333374CK	LURF2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	630	40	*	.158	.153	.146
333340CK	LHE2643	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	*	.158	.144	.137
333358CK	LUE2643	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	620	40	.21	.19	.176	.158
334748CK	UT6B33-41-UR33	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	1.26	1.21	.92	.66
206501CK	LVY3331	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	*	.19	.15	.12
206519CK	LHR3331	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	*	.19	.15	.12
334490CK	LHRF3333/S46/A	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	700	630	30	.37	.323	.157	.109
351089CK	MCDL-517URD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	500	660	120	.57	.469	.323	.31
333420CK	LSR3331	1	Red	Red transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	550	660	20	*	.118	.08	.072
333497CK	LSR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	720	660	18	*	.176	.098	.085
333631CK	LUE13733	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	700	620	25	.24	.21	.191	.172
153154CK	LVG3333	1	Green	Water clear (HLMIP-8509)	T1 3/4	0.197/5	0.36	0.90	0.10	2.3	500	565	20	*	.14	.10	.08
333551CK	LVG13233	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.23	.219	.146	.138
333542CK	LVG3833	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	550	565	12	*	.16	.149	.138
334465CK	LDBK3331/HO	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
152864CK	BVU-5G1RD4	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	.29	.24	.19	.15
334756CK	UT5KW3-AA-UAE3-TO1	2	White	Water clear	SMD1206	—	0.08	0.14	—	3.2	550	—	120	2.35	2.19	1.99	1.62

BrightView

Other Manufacturers — Great Deals

210825CK	BVU-5MIQN1	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.30	1.07	0.08	2.1	600	615	—	\$.25	\$.222	\$.20	\$.18
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JAMECO ValuePro High-Output LEDs

See pages 55-57 for LED Mounting Hardware

• Typical DC forward current 20mA

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
334764CK	CMD204UWC-JV	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	\$2.35	\$2.29	\$1.71	\$1.54
217525CK	MCDPW-3004C	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	2.99	2.85	2.69	2.55
333577CK	LUY5333	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.30	.285	.177	.155
197675CK	BVT-5E1TT4E	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	1.08	0.08	2.3	2800	592	15	.45	.36	.29	.27

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

High-Output & HLMP LEDs



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

Lower \$\$\$

NEW

JAMECO ValuePro High-Output LEDs (Continued)

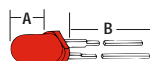


↑ See pg 53 for figures

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.†	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333614CK	LUY3833H	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	\$.31	\$.261	\$.239	\$.215
333569CK	LUY3333/A	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.177	.124
333593CK	LHY13533	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.265	.178
175695CK	LHY3833	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	1.07	0.08	2.1	1500	595	20	*	.115	.081	.073
333606CK	LHY3833	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	595	12	.31	.28	.21	.181
197616CK	BVU-5E10T4E	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	1300	630	15	\$.39	*.174	.145	.139
334422CK	UT9C13-86-UDC2	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.20	.196	.157	.109
334481CK	UT1813-86-UC9T-P27	1	Ultra Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.2	3500	642	15	.30	.266	.239	.229
333438CK	UT1873-81-UR	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	1000	660	10	*	.19	.119	.085
333446CK	UT1873-81-UR-P22	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	1200	660	25	*	.19	.119	.098
333518CK	LUR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	*	.19	.147	.11
333526CK	LUR3833	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	*	.16	.119	.107
333500CK	LHR3833/A	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	1500	660	12	*	.19	.119	.085
333665CK	LEF3833	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1700	620	12	.30	.29	.20	.178
333649CK	LHE3333	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1800	620	20	.30	.285	.177	.124
333657CK	LUE3333	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	3400	620	20	.29	.237	.208	.178
333673CK	LUE3833	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	620	12	.30	.27	.177	.159
131895CK	TLSH180P	1	Orange	Water clear	T1 3/4	0.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683CK	BVT-5E10T4ER	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473CK	LDGL3333/H0	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	505	22	1.79	1.45	1.29	1.05
183214CK	MCDPG-503PC1	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222CK	MCDL-513SBC4	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502CK	LWK3333	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.89	1.55	1.28	.92
334772CK	UT18W3-86-UAF1-P22	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	—	25	2.35	2.19	1.97	1.77
183231CK	BVU-5C14WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3600	—	10	\$2.95	2.79	2.52	2.27
142893CK	BVU-5E1WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	\$3.75	3.55	3.24	2.76
320531CK	MCDL-5013UWC	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5500	—	15	1.15	.99	.77	.69
197641CK	BVT-529T78E	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	3600	592	70	.69	.62	.55	.49
404582CK	MCDL-1860UWC-15C	3	Ultra White	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	2.03	1.82	1.35
664341CK	MCDL-1870UWC-15C	3	White	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.25	2.03	1.82	1.35
664405CK	MCDL-1860UEC-TL	3	Hi-Eff Red	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.26	1.13	.85
664413CK	MCDL-1870UEC-TL	3	Hi-Eff Red	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.26	1.13	.85
664384CK	MCDL-1860UYC-TL	3	Amber	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	590	75	1.39	1.26	1.13	.85
664392CK	MCDL-1870UYC-TL	3	Amber	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	1.39	1.26	1.13	.85
404603CK	MCDL-1860UGC-TL	3	Green	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	2.15	1.94	1.74	1.25
664376CK	MCDL-1870UGC-TL	3	Green	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.94	1.74	1.25
404591CK	MCDL-1860UBC-15C	3	Blue	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.94	1.74	1.25
664368CK	MCDL-1870UBC-15C	3	Blue	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	40	2.15	1.94	1.74	1.25

HLMP Series LEDs



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
						A"	B"						1	10	100	1000
253278CK	HLMP-1301	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	60	*	\$.137	\$.112	\$.098
253366CK	HLMP-1321	Red	Tinted	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	30 @ 10	635	45	*	.167	.13	.10
253551CK	HLMP-1340	Red	Clear	T1	0.119/3	0.19	1.00	0.10	1.9 @ 20	55 @ 10	635	45	*	.122	.105	.076
253690CK	HLMP-1700	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.7 @ 2	2.1 @ 2	635	50	*	.132	.105	.086
253711CK	HLMP-K105	Red	Clear	T1	0.119/3	0.19	1.00	0.10	2.2 @ 20	65 @ 20	645	45	*	.169	.152	.113
253729CK	HLMP-K150	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.8 @ 1	2.0 @ 1	645	60	*	.216	.171	.097
253631CK	HLMP-1503	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	1.0 @ 10	565	60	*	.103	.076	.061
253649CK	HLMP-1521	Green	Tinted	T1	0.119/3	0.19	1.00	0.10	2.7 @ 10	6.7 @ 10	565	45	*	.216	.171	.095
253657CK	HLMP-1523	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	7.0 @ 10	565	60	.32	.244	.171	.095
253665CK	HLMP-1540	Green	Clear	T1	0.119/3	0.19	1.00	0.10	45 @ 20	2.2 @ 20	565	45	.24	.207	.174	.139
253681CK	HLMP-1790	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	*	.132	.105	.099
253673CK	HLMP-1719	Yellow	Diffused	T1	0.119/3	0.19	1.00	0.10	2.5 @ 2	2.1 @ 2	583	50	*	.132	.105	.086
253614CK	HLMP-1401	Yellow	Diffused	T1	0.119/3	0.19	1.00	0.10	2.0 @ 10	2.2 @ 10	583	60	*	.137	.112	.098
253622CK	HLMP-1440	Yellow	Clear	T1	0.119/3	0.19	1.00	0.10	2.1 @ 20	4.5 @ 20	583	45	*	.122	.105	.076
253745CK	HLMP-3300	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 10	3.5 @ 10	635	65	.33	.263	.188	.113
253753CK	HLMP-3301	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	60	*	.16	.143	.095
253817CK	HLMP-4700	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	1.7 @ 2	2.3 @ 2	626	50	.31	.244	.171	.095
11797CK	QLMP-D141*	Red	Water clear	T1 3/4	0.197/5	0.29	1.05	0.07	2.0 @ 20	350 @ 20	660	—	*	.158	.112	.073
203553CK	HLMP-4100	Orange Red	Water clear	T1 3/4	0.197/5	0.33	1.07	0.08	2.1 @ 20	600 @ 20	615	8	*	.087	.078	.07
253770CK	HLMP-3507	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.1 @ 10	4.2 @ 10	565	60	*	.169	.143	.10
253809CK	HLMP-3950	Green	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	1.5 @ 20	265 @ 20	565	24	*	.244	.171	.095
253833CK	HLMP-4740	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	*	.244	.171	.124
253761CK	HLMP-3401	Yellow	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.0 @ 10	5.7 @ 10	583	60	.29	.244	.171	.095
253796CK	HLMP-3850	Yellow	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	140 @ 20	583	24	*	.244	.171	.098
253825CK	HLMP-4719	Yellow	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.5 @ 2	2.1 @ 2	585	50	*	.226	.171	.096

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 57

Blue Part No. = Limited Quantity Available

Mounting Hardware listed on pages 55-57

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

LEDTECH Standard and High-Output LEDs

• Typical DC forward current 20mA

Quantity SAVE

Ledtech is a QS9000 and ISO-9000 Certified Company

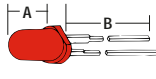


Fig. 1

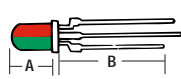


Fig. 2

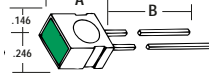


Fig. 3

152805CK

151415CK

* Minimum order 10 pieces

Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
156953CK	LT0373-41	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	46	\$.24	\$.22	\$.17	\$.14
156945CK	LT0362-25-D610	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	50	.29	.25	.19	.15
152750CK	LT0344R-41	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	36	*	.19	.16	.12
152784CK	LT0341R-41	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	56	*	.17	.15	.12
152768CK	LT0324-41	1	Green	Green clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	45 @ 20	567	36	*	.077	.059	.057
156929CK	LT0321-41-HE	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	56	*	.18	.11	.10
156937CK	LT0331-41	1	Yellow	Yellow diffused	T1	0.119/3	0.20	0.95	0.10	2.1 @ 20	11 @ 20	585	56	*	.13	.086	.065
136493CK	LT0333-41*	1	Yellow	Water clear	T1	0.119/3	0.20	0.95	0.10	2.3 @ 20	38 @ 20	589	36	*	.14	.096	.072
215597CK	LT2K33-81-UC9T	1	Yellow	Water clear	T1 3/4	0.197/5	0.31	0.89	0.10	2.2 @ 20	5000 @ 20	592	5	.59	.55	.49	.45
261622CK	LT1873-81-UR-P22	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	1200 @ 20	660	25	.21	.20	.19	.15
242843CK	LT1811-81	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	44	*	.12	.10	.06
152805CK	LT1873-81-UR	1	Red Ultra Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	12	.29	.25	.19	.15
153138CK	LT2KJ3-UR-S14	1	Orange	Water clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	2500 @ 20	621	5	.49	.44	.39	.35
302033CK	LT1814-81	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.88	0.10	2.1 @ 20	23.1 @ 20	635	22	*	.094	.071	.054
152856CK	LT1841R-81	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	44	*	.17	.15	.13
156961CK	LT1823-81-HE	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	19	*	.17	.15	.12
152821CK	LT1821-81-HE	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	41	*	.16	.12	.09
175687CK	LT0524-81	1	Green	Green transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.1 @ 20	44 @ 20	567	30	*	.16	.12	.09
152792CK	LT1833-81-M1	1	Ylw Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	1040 @ 20	593	19	.26	.24	.19	.14
152830CK	LT1831-81-UR	1	Ylw Ultra Bright	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	41	.26	.24	.20	.14
34850CK	LT7341R-81†	3	Orange Red	Red diffused rectangular	3.5 x 6	—	0.27	0.85	0.07	2.0 @ 20	5.2 @ 20	635	60	.29	.242	.196	.152

White Diffused Backlight

151415CK	LT1F24-A2-S1	—	Green	Backlight, diffused	2.05"L x 0.78"H x 0.09"T	8-pin	4.2 @ 20	140 @ 20	567	—	\$2.95	\$2.66	\$2.12	\$1.59
205353CK	LT1F24-A2-S8	—	Green	Backlight, diffused	1.56"L x 0.98"H x 0.15"T	8-pin	4.2 @ 20	24.8 @ 20	567	—	2.95	2.65	2.39	1.79

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 57

† For Mounting Hardware, below

Ⓢ Blue Part No. = Limited Quantity Available

LED Cabinet Kit and LED Mounting Hardware



Design Engineer's

139 Piece LED Hardware Assortment

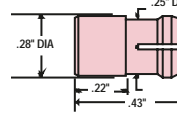
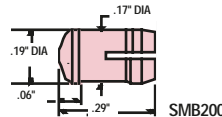
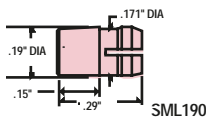
Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139 piece hardware kit for T1 and T1 3/4 LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H • Weight: 0.4 lbs.



T1 & T1 3/4 Ciplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red, green, amber, yellow and clear. Hole size for T1, 0.171" on 0.250" centers. Panel thickness T1: SML190, 0.031-0.062"; SMB200, 0.062-0.125". Hole size for T1 & T1 3/4, 0.250" on 0.375" centers. Panel thickness, CLF280, 0.062-0.125". CLB300, 0.031-0.0250".



Part No.	Type	Size	Color	1	10	100	1000
417818CK	SML190RTP	T1	Red	\$.26	\$.226	\$.166	\$.14
417826CK	SML190ATP	T1	Amber	.26	.226	.166	.14
417834CK	SML190GTP	T1	Green	.26	.226	.166	.14
417842CK	SML190YTP	T1	Yellow	.26	.226	.162	.14
417851CK	SML190CTP	T1	Clear	.26	.226	.166	.14
417869CK	SMB200RTP	T1 3/4	Red	.26	.226	.166	.14
417877CK	SMB200ATP	T1 3/4	Amber	.26	.226	.167	.14
417885CK	SMB200GTP	T1 3/4	Green	.26	.226	.167	.14
417893CK	SMB200YTP	T1 3/4	Yellow	.26	.226	.166	.14
417906CK	SMB200CTP	T1 3/4	Clear	.26	.226	.167	.14
29612CK	CLF280RTP	T1 3/4	Red	.28	.247	.219	.188
417914CK	CLF280ATP	T1 3/4	Amber	.28	.244	.185	.157
417922CK	CLF280GTP	T1 3/4	Green	.28	.244	.185	.157
417931CK	CLF280YTP	T1 3/4	Yellow	.28	.244	.181	.157
14277CK	CLF280CTP	T1 3/4	Clear	.28	.237	.216	.157
417949CK	CLB300RTP	T1 3/4	Red	.28	.244	.185	.157
417957CK	CLB300ATP	T1 3/4	Amber	.28	.244	.185	.157
417965CK	CLB300GTP	T1 3/4	Green	.28	.244	.185	.157
417973CK	CLB300YTP	T1 3/4	Yellow	.28	.244	.181	.157
124927CK	CLB300CTP	T1 3/4	Clear	.25	.19	.16	.14

Part No.	Description	Price
418731CK	Engineer's LED hardware kit	\$25.09

Free Technical Support

Our knowledgeable Tech Support Department is ready to answer your questions. Just call us! 1-800-831-4242

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

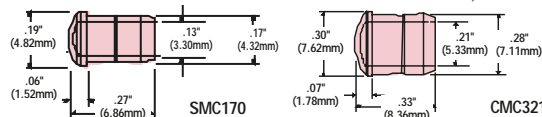


T1 & T1 3/4 Cliplite® Panel Lens for PCB Mounted LEDs

T1 and T1-3/4 size low-profile panel lenses provide 180° viewing angle. Type SMC170 for T1 LEDs. Hole size: 0.171" on 0.250" centers. CMC321 for T1-3/4 LEDs. Hole size: 0.283" on 0.375" centers. Use retaining ring RNG165 for SMC170 and RNG268 for CMC321/CMS 322. RNG268: 0.36" Dia., 0.08" L.

- RNG165: 0.24" Dia., 0.50" L
- RNG132: 0.24" Dia., 0.08" L
- CMC285: 0.21" Dia., 0.285" L
- SMC130: 0.14" Dia., 0.24" L

* Prepackaged: order in increments of 10, 100 or 1000



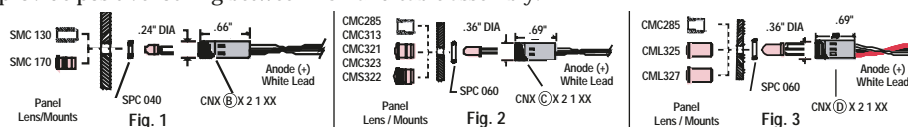
Part No.	Type	Size	Color	1	10	100	1000
417691CK	SMC170RTP	T1	Red	\$.26	\$.226	\$.166	\$.14
417703CK	SMC170ATP	T1	Amber	.26	.226	.166	.14
417711CK	SMC170GTP	T1	Green	.26	.226	.166	.14
417720CK	SMC170YTP	T1	Yellow	.26	.226	.166	.14
143183CK	SMC170CTP	T1	Clear	.26	.226	.166	.14
417738CK	CMC321RTP	T1 3/4	Red	.28	.244	.185	.157
417746CK	CMC321ATP	T1 3/4	Amber	.28	.244	.185	.157
417754CK	CMC321GTP	T1 3/4	Green	.28	.244	.185	.157
417762CK	CMC321YTP	T1 3/4	Yellow	.28	.244	.185	.157
417771CK	CML325CTP	T1 3/4	Clear	.28	.254	.195	.164
143132CK	CMC321CTP	T1 3/4	Clear	.25	.22	.18	.14
417797CK	SMC130CTP	T1	Panel mount clip	*	.169	.127	.107
417800CK	CMC285CTP	T1 3/4	Panel mount clip	.27	.235	.166	.14
417631CK	RNG132	—	Ring for SMC130	*	.075	.059	.049
417789CK	RNG165	—	Ring for SMC285	*	.075	.059	.049
417640CK	RNG234	—	Ring for CMC321	*	.074	.067	.049

Conxrite LED Cable Interconnects with Threaded Lenses and Sockets



Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

3mm type CNXBE and CNXBX connector assemblies use SMC170 lens or SMC130 mount; 5mm type CNXCE and CNXCX assemblies use a CMC321 lens or CMC285 mount. Thin panels (0.032") use ring spacer type SPC040 for 3mm and type SPC060 for 5mm assemblies. CNXBE, CNXCE and CNXDF cables are supplied with panel and header connector. The BX, CX and DX cables are supplied with panel connector and bare wire leads. CNXV and H series locking headers provide positive locking between PCB and cable assembly.



Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
417375CK	CNXBE2104	1	T1 (3mm) Bi-lead	2 Position Connector	4"	\$1.99	\$1.69	\$1.11	\$1.00
143087CK	CNXBE2108	1	T1 (3mm) Bi-lead	2 Position Connector	8"	1.25	1.13	1.05	.99
417383CK	CNXBE2112	1	T1 (3mm) Bi-lead	2 Position Connector	12"	2.15	1.81	1.20	1.08
417391CK	CNXBE2124	1	T1 (3mm) Bi-lead	2 Position Connector	24"	2.45	2.07	1.37	1.33
417404CK	CNXBX2104	1	T1 (3mm) Bi-lead	Stripped Leads	4"	1.21	1.03	.75	.68
417412CK	CNXBX2108	1	T1 (3mm) Bi-lead	Stripped Leads	8"	1.35	1.14	.75	.68
417421CK	CNXBX2112	1	T1 (3mm) Bi-lead	Stripped Leads	12"	1.49	1.26	.84	.76
417439CK	CNXBX2118	1	T1 (3mm) Bi-lead	Stripped Leads	18"	1.65	1.38	.92	.71
417447CK	CNXBX2124	1	T1 (3mm) Bi-lead	Stripped Leads	24"	1.79	1.52	1.00	.90
417455CK	CNXCE2104	2	T1 1/4 (5mm) Bi-lead	2 Position Connector	4"	1.99	1.69	1.11	1.00
143036CK	CNXCE2108	2	T1 1/4 (5mm) Bi-lead	2 Position Connector	8"	1.29	1.25	1.19	1.15
417463CK	CNXCE2112	2	T1 1/4 (5mm) Bi-lead	2 Position Connector	12"	2.15	1.81	1.20	1.08
143052CK	CNXCE2118	2	T1 1/4 (5mm) Bi-lead	2 Position Connector	18"	1.79	1.58	1.30	1.25
417471CK	CNXCE2124	2	T1 1/4 (5mm) Bi-lead	2 Position Connector	24"	2.45	2.07	1.37	1.23
417480CK	CNXCX2104	2	T1 1/4 (5mm) Bi-lead	Stripped Leads	4"	1.35	1.28	.75	.68
417498CK	CNXCX2108	2	T1 1/4 (5mm) Bi-lead	Stripped Leads	8"	1.35	1.14	.75	.59
417501CK	CNXCX2112	2	T1 1/4 (5mm) Bi-lead	Stripped Leads	12"	1.49	1.26	.84	.65
417519CK	CNXCX2118	2	T1 1/4 (5mm) Bi-lead	Stripped Leads	18"	1.65	1.38	.92	.83
417527CK	CNXCX2124	2	T1 1/4 (5mm) Bi-lead	Stripped Leads	24"	1.79	1.61	1.01	.90
417535CK	CNXDF2604	3	T1 1/4 (5mm) Tri-lead	3 Position Connector	4"	2.85	2.40	1.58	1.42
417543CK	CNXDF2608	3	T1 1/4 (5mm) Tri-lead	3 Position Connector	8"	2.85	2.40	1.58	1.42
417551CK	CNXDF2612	3	T1 1/4 (5mm) Tri-lead	3 Position Connector	12"	3.15	2.64	1.76	1.58
417560CK	CNXDF2618	3	T1 1/4 (5mm) Tri-lead	3 Position Connector	18"	3.39	2.85	1.89	1.70
417578CK	CNXDF2624	3	T1 1/4 (5mm) Tri-lead	3 Position Connector	24"	3.59	3.02	2.00	1.80
417586CK	CNXDX2604	3	T1 1/4 (5mm) Tri-lead	Stripped Leads	4"	1.85	1.55	1.02	.80
417594CK	CNXDX2608	3	T1 1/4 (5mm) Tri-lead	Stripped Leads	8"	1.85	1.52	1.02	.92
417607CK	CNXDX2612	3	T1 1/4 (5mm) Tri-lead	Stripped Leads	12"	2.15	1.81	1.20	1.08
417615CK	CNXDX2618	3	T1 1/4 (5mm) Tri-lead	Stripped Leads	18"	2.39	2.02	1.34	1.20
417623CK	CNXDX2624	3	T1 1/4 (5mm) Tri-lead	Stripped Leads	24"	2.59	2.19	1.44	1.30

RoHS compliant product

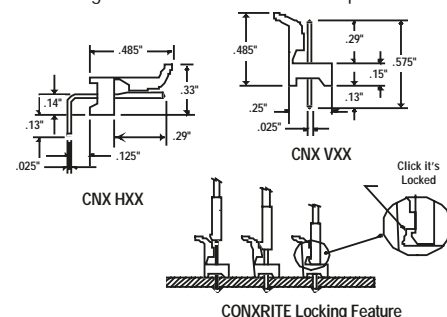
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Conxrite Locking Headers
For Use With Cable Assemblies

CNXV and H series locking headers provide positive locking between PCB and cable assembly.

- Mounting P/N 417658CK: vertical 2-pin
- Mounting P/N 417666CK: vertical 3-pin
- Mounting P/N 417674CK: horizontal 2-pin
- Mounting P/N 417682CK: horizontal 3-pin



Part No.	Type	1	10	100	1000
417658CK	CNXV02NTP	\$.27	\$.251	\$.229	\$.163
417666CK	CNXV03NTP	.42	.376	.338	.304
417674CK	CNXH02NTP	.34	.332	.263	.219
417682CK	CNXH03NTP	.33	.297	.263	.219

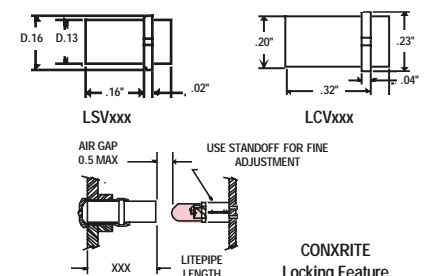
Litepipes For PCB-Mounted LEDs



Designed to transmit light from PCB mounted LED to panel

display. Cliplite lenses provide the mounting for Litepipes and produce 180° of viewing angle. Use SMB200 for LSV (3mm) litepipe and CLB300 for LCV (5mm) litepipe, see pg 55. For added security use retaining rings RNG190 (3mm) and RNG268 (5mm).

- Mounting color: clear



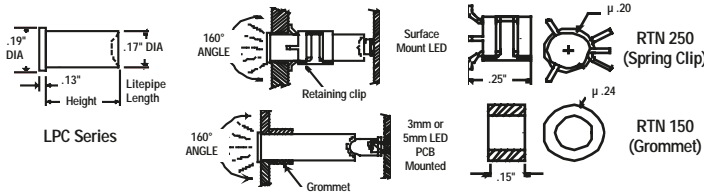
Part No.	Type	1	10	100	1000
417981CK	LSV020CTP	\$.28	\$.254	\$.224	\$.189
417990CK	LSV040CTP	.28	.254	.224	.189
418001CK	LSV060CTP	.28	.254	.224	.189
418010CK	LSV080CTP	.28	.254	.224	.189
418028CK	LSV100CTP	.28	.254	.224	.189
418036CK	LSV120CTP	.28	.254	.224	.189
418044CK	LCV036CTP	.28	.254	.224	.189
418052CK	LCV056CTP	.28	.254	.224	.189
418061CK	LCV076CTP	.28	.254	.224	.189
418079CK	LCV096CTP	.28	.254	.224	.189
418087CK	LCV116CTP	.28	.254	.224	.189
418095CK	LCV136CTP	.28	.254	.224	.189

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Litepipes For Standard and Surface-Mount LEDs

Designed to produce 160° viewing angle of transmitted light from PCB mounted LEDs. Accommodates both 3mm and surface mount LEDs. Litepipes are able to display single color devices or mix multi-colored LEDs into a single color. Sizes from 0.200" (5.08mm) to 2.00" (50.80mm). Use RTN grommet for sizes 0.20" thru 0.50" and RTN spring clip for sizes 0.50" to 2.00" (50.80mm).



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	1	10	100	1000
418108CK	LPC020CTP	0.200"	\$.35	\$.32	\$.244	\$.205
418116CK	LPC022CTP	0.220"	.35	.32	.244	.205
418124CK	LPC024CTP	0.240"	.35	.32	.244	.205
418132CK	LPC026CTP	0.260"	.35	.32	.244	.205
418141CK	LPC028CTP	0.280"	.35	.32	.244	.205
418159CK	LPC030CTP	0.300"	.35	.32	.244	.205
418167CK	LPC032CTP	0.320"	.35	.32	.244	.205
418175CK	LPC034CTP	0.340"	.35	.32	.244	.205
418183CK	LPC036CTP	0.360"	.35	.32	.244	.205
418191CK	LPC038CTP	0.380"	.35	.32	.244	.205
418204CK	LPC040CTP	0.400"	.35	.32	.244	.205
418212CK	LPC042CTP	0.420"	.35	.32	.244	.205
418221CK	LPC044CTP	0.440"	.35	.32	.244	.205
418239CK	LPC046CTP	0.460"	.35	.32	.244	.205
418247CK	LPC048CTP	0.480"	.35	.32	.244	.205
418255CK	LPC050CTP	0.500"	.35	.32	.244	.205
418263CK	LPC056CTP	0.56"	.35	.32	.244	.205
418280CK	LPC066CTP	0.66"	.35	.32	.244	.205
418301CK	LPC076CTP	0.76"	.35	.32	.244	.205
418327CK	LPC086CTP	0.86"	.35	.32	.244	.205
418271CK	LPC060CTP	0.600"	.35	.32	.244	.205
418298CK	LPC070CTP	0.700"	.35	.32	.244	.205
418319CK	LPC080CTP	0.800"	.35	.32	.244	.205
418335CK	LPC090CTP	0.900"	.35	.32	.244	.205
418343CK	LPC096CTP	0.960"	.35	.32	.244	.205
418351CK	LPC100CTP	1.00"	.40	.357	.263	.222
418360CK	LPC125CTP	1.25"	.40	.357	.263	.222
418378CK	LPC150CTP	1.50"	.40	.357	.263	.222
418386CK	LPC160CTP	1.60"	.40	.357	.263	.222
418394CK	LPC200CTP	2.00"	.40	.357	.263	.222
418407CK	RTN150	Grommet	*	.074	.059	.049
418415CK	RTN250	Spring clip	*	.093	.059	.056

LED Mounting Hardware

- P/N 95521CK: for use with P/N 94545CK and 34850CK, pg 52
- Color: black



Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
					10	100	1000
95513CK	LMH100	T1 snap-in	.185"	Up to .070"	\$.08	\$.07	\$.04
23077CK	LMH200	T1 3/4 ring & clip	.257"	Up to .125"	.15	.135	.12
95521CK	LMH250	Rect. snap-in	.306" x .202"	Up to .092"	.20	.15	.127
379815CK	—	10mm snap-in	.539"	Up to .125"	.35	.315	.28

Electronic Pocket Reference

Third Edition McGraw-Hill Publishing

A pocket reference manual that provides definitions, passive component equations and color coding, parameters of standard semi-conductors, linear circuits, filters, power supply and regulation, electronic measurement and mathematical tables and formulas. (529 pages, 2000)

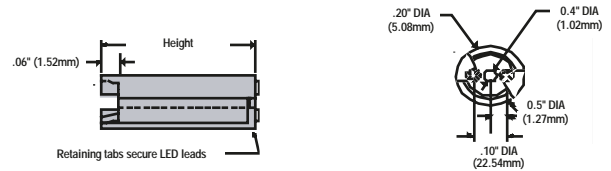
- Size: 4.0" x 6.0"
- Weight: 0.9 lbs.

Part No.	Description	Price
174481CK	Electronics Pocket Reference	\$26.95



PCB Standoffs for 2 and 3-Lead Components

Designed for PCB mounting of multi-lead devices (e.g. LEDs, IR emitter/detector lamps, resistors, capacitors and diodes). Provide lead separation, retention and lateral stability, and height control. Standoffs vary in height from 0.12" to 1.00". Standoffs are UL94V0 material.



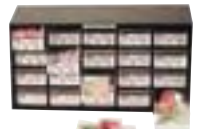
* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	10	100	1000
418423CK	STD120BLK	0.120"	\$.093	\$.068	\$.058
418431CK	STD140BLK	0.140"	.093	.068	.058
418440CK	STD160BLK	0.160"	.093	.068	.058
418458CK	STD180BLK	0.180"	.093	.068	.058
418466CK	STD200BLK	0.200"	.093	.068	.058
418474CK	STD220BLK	0.220"	.093	.068	.058
418482CK	STD240BLK	0.240"	.093	.068	.058
418491CK	STD250BLK	0.250"	.089	.068	.058
418503CK	STD260BLK	0.260"	.093	.068	.058
418511CK	STD280BLK	0.280"	.093	.068	.058
418520CK	STD300BLK	0.300"	.093	.068	.058
418538CK	STD320BLK	0.320"	.093	.068	.058
418546CK	STD340BLK	0.340"	.093	.068	.058
418554CK	STD360BLK	0.360"	.093	.068	.058
418562CK	STD380BLK	0.380"	.093	.068	.058
418571CK	STD400BLK	0.400"	.093	.068	.058
418589CK	STD420BLK	0.420"	.093	.068	.058
418597CK	STD440BLK	0.440"	.093	.068	.058
418600CK	STD460BLK	0.460"	.093	.068	.058
418618CK	STD480BLK	0.480"	.093	.068	.058
418626CK	STD500BLK	0.500"	.093	.068	.058
418634CK	STD550BLK	0.550"	.093	.068	.058
418642CK	STD600BLK	0.600"	.093	.068	.058
418651CK	STD650BLK	0.650"	.093	.068	.058
418669CK	STD700BLK	0.700"	.093	.068	.058
418677CK	STD750BLK	0.750"	.093	.068	.058
418685CK	STD800BLK	0.800"	.093	.068	.058
418693CK	STD850BLK	0.850"	.093	.068	.058
418706CK	STD900BLK	0.900"	.093	.068	.058
418714CK	STD950BLK	0.950"	.093	.068	.058
418722CK	STD1.0BLK	1.000"	.093	.068	.058

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319599CK), 20 clear plastic drawers (319601CK), 20 clear dividers (319610CK), pg 296 and labels
- 10 ea. standard-output LEDs (34657CK, 114673CK, 114681CK, 34606CK, 175695CK, 34825CK, 34690CK, 11359CK, 34761CK, 34711CK, 104248CK, 104256CK, 34673CK), pg 52 and 136493CK, pg 55
- 10 ea. HLMP series LEDs (11797CK), pg 54
- 10 ea. LED lens mount (14277CK), pg 55
- 100 ea. LEDs (94529CK, 135597CK), pg 53
- 100 ea. LED mounting hardware (95513CK, 23077CK), pg 57



SAVE \$24

Part No.	Description	Wt. (lbs.)	1	10
84996CK	560 pcs. kit	5.0	\$66.95	\$60.25

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

7-Segment LED Displays



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave



7-Segment LED Displays

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W



Single Digit RHDP



Single Digit RHDP/LHDP



2-Digit RHDP



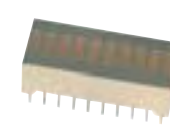
3-Digit RHDP



4x7 Hex Character



Dot Matrix



10-Bargraph



202526CK pg 59

5"

Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing			
										1	10	100	1000
320469CK	UA3031-16-EWRN	0.300"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	\$.71	\$.64	\$.58	\$.87
334983CK	UA3051-12	0.300"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.69	.61	.478
395639CK	UA3051-16-EWRS	0.300"	Red	CA	11	3.0 @ 20	0.8 @ 10	700	LHDP/RHDP	1.09	.98	.96	.81
334799CK	UC3051-11	0.300"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.76	.61	.478
335003CK	UA3041R-12	0.300"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.58	.49
334801CK	UC3041R-11	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.54	.49
334810CK	UC3041R-20	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.86	.77	.57	.52
335011CK	UA3041-12	0.300"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.57	.44
335257CK	UC3671-11-M1-EWAK	0.360"	Super Bright Red	CA	10	1.7 @ 20	6.0 @ 10	643	RHDP	.88	.79	.62	.58
334836CK	UA4071-11-UR EWAK	0.400"	Red	CA	10	1.9 @ 20	25.6 @ 10	660	RHDP	.88	.79	.62	.58
335020CK	UA4051-11	0.400"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.69	.62	.432	.41
334844CK	UC4041R-11	0.400"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.77	.73	.56	.44
334828CK	UC4041-11	0.400"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.78	.74	.56	.44
335046CK	UA4041-11	0.400"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.78	.74	.56	.44
335054CK	UN4043-13 EWRS	0.400"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.25	1.96	1.88	1.37
334852CK	UC4031-11	0.400"	Yellow	CC	10	2.1 @ 20	2.3 @ 10	585	RHDP	.80	.76	.57	.452
335038CK	UA4021-11	0.400"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	.80	.75	.57	.452
335214CK	UC5442-11 EWRS	0.540"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	2.95	2.58	2.48	1.81
335222CK	UA5422-11 EWRS	0.540"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	2.65	2.34	2.24	1.64
334887CK	UC5651-11	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.04	.99	.87	.70
334932CK	UC5652-11	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.05	.99	.75	.72
334959CK	UA5652-11	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.39	1.32	.98	.94
335089CK	UA5651-11	0.560"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.04	.99	.87	.70
335273CK	UA5654-11 EWRS	0.560"	Red	4-digit CA	36	2.1 @ 20	0.8 @ 10	700	RHDP	2.25	1.75	1.52	1.26
334895CK	UC5641R-11	0.560"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.76	.74	.51	.401
334941CK	UC5642R-11	0.560"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.18	.95	.80	.64
334975CK	UA5642R-11	0.560"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.93	.75	.63
335100CK	UA5641R-11	0.560"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.75	.67	.50	.394
335311CK	UA5641-11	0.560"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.60	.50	.40	.38
334879CK	UC5641-11	0.560"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.65	.60	.416	.401
335151CK	UA5642-11	0.560"	Orange	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.88	.81	.64	.58
334924CK	UC5642-11	0.560"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.03	.89	.61	.58
335185CK	UM5644R-11 RRRS	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.59	2.34	2.24	1.64
335126CK	UA5621-11	0.560"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	.75	.61	.40	.38
334861CK	UC5621-11	0.560"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.81	.80	.546	.423
334967CK	UA5622-11	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.65	1.45	1.20	.96
334916CK	UC5622-11	0.560"	Green	2-digit CC	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.04	.99	.74	.70
335169CK	UC5624-11 EWRS	0.560"	Green	4-digit CC	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.46	1.67	1.51
335177CK	UA5624-11 EWRS	0.560"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.25	2.05	1.69
335193CK	UM5624-11 EWRS	0.560"	Green	4-digit CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.34	2.24	1.64
334908CK	UC8041-21 EWRS	0.800"	Orange	CC	13	2.1 @ 20	3.8 @ 10	635	RHDP	1.29	1.05	.88	.70
335281CK	UJ1141-21 EWRN	1.2"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	—	5.49	4.95	4.45	3.94
335290CK	UJ2041-22 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	—	3.65	3.26	3.14	2.73

LEDTECH

Other Manufacturers — Great Deals



24731CK	LSD3021-11	.300"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	\$.87	\$.70	\$.50	\$.47
308187CK	LC3041R-RRRN	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.73	.64	.59	.56
24740CK	LSD3221-11	.300"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.79	.72	.64	.58
24782CK	LSD3211-11	.300"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	.89	.75	.65	.49
308179CK	LC3951-11EWAK	.390"	Red	CC	10	2.1 @ 20	0.6 @ 10	700	RHDP	.79	.73	.68	.67
17187CK	LSD5051-11	.500"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.72	.65
17208CK	LSD5061-11	.500"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.75	.65	.49
104213CK	LSD5124-10	.560"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	\$.89 .80	.68	.60	.45

* CA-Common Anode/CC-Common Cathode/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 14 segment




RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

7-Segment LED Displays (Continued)

SALE

Quantity SAVE

See pg 57 for package

LEDTECH  Other Manufacturers — Great Deals  										Pricing			
Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	1	10	100	1000
308224CK	LM5643R-11RRRN	0.560"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	\$2.25	\$2.05	\$1.79	\$1.69
308232CK	LM5644R-11RRRN	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.75	2.45	2.19	2.09
199531CK	LSD5111-11	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 20	697	RHDP	\$1.35 .99	.89	.71	.53
24715CK	LDD5121-20	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24723CK	LDD5111-11	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
200379CK	LB602VAGI	0.560"	Red	2-digit CA	18	2.0 @ 10	16 @ 10	650	RHDP	\$1.99 1.65	1.15	.98	.65
24694CK	LDD5124	0.560"	Orange Red	2-digit CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.69	1.52	.96	.73
24707CK	LDD5114-20	0.560"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
200539CK	ELD556YWA	0.560"	Yellow	2-digit CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	\$1.89 1.55	1.25	.99	.75
308216CK	LA5622-11EWRN	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	.87	.65	.56	.53
225963CK	KW3-562A2B	0.560"	Green	3-digit CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.39	2.15	1.95	1.25
199582CK	LC56311	0.560"	Yellow	CC	8	2.1 @ 20	5.2 @ 20	589	RHDP	1.43	1.25	1.09	.82
18737CK	LSD816-11	0.800"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.49	1.35	1.19	.99
308259CK	LA8071-11-MIEWRW	0.800"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.39	1.25	1.13	1.07
18753CK	LSD8151-10	0.800"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.49	1.34	1.07	.80
176559CK	C8021-1	0.800"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.56	.51	.457	.343
308161CK	LA2541-24EWRN	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	2.89	2.65	2.29	2.15
97172CK	LSD10061-10	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.39	1.25	1.12	.99
97199CK	LSD23265-10	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.75	5.19	4.69	4.19
97201CK	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.25	2.95
308208CK	LA2321-42EWRN	2.24"	Green	CA	10	4.2 @ 40	2.7 @ 10	567	RHDP	8.45	8.15	6.59	5.25
202518CK	LSD30165-20	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	7.39	6.65	5.98	5.39
202542CK	LSD30155-20	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.49	4.95	4.45	4.05
105591CK	LSD40054-20	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49	6.49
202500CK	LSD40064-20	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	6.44
202526CK	LSD50065-20	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	30.19	24.15	21.75	16.31
202534CK	LSD50055-20	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	17.95	14.35	12.95	11.65

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 5 diodes per segment

Dot Matrix and Bargraph LED Displays

Part No.	Cross Ref. No.	Jameco Socket Number	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	1	10	100	1000
32951CK	TIL311	37161CK	0.300"	Red	4x7 Hex character	11	5.0 @ 5	0.1 @ 5	660	—	\$16.95	\$14.35	\$12.20	\$11.45
308152CK	LA5041R-11BRRRN	—	0.500"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	1.69	1.49	.89	.85
118906CK	LTP747R	37161CK	0.680"	Orange Red	5 x 7 AC/CR	12	1.7 @ 20	0.2 @ 20	655	—	2.25	2.05	1.65	1.25
218843CK	CSM57041T-11	—	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	—	1.95	1.76	1.40	1.05
308144CK	LJ5763-M1FEWRN	—	1.10"	Red/Green	5 x 7 CC/AR	20	1.7/2.1 @ 20	10.8/20.0 @ 10	660/567	—	4.05	3.45	3.25	3.09
206560CK	LTP2157AG	—	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	—	1.85	1.65	1.49	1.34
183265CK	LMD5821ASR-20	—	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	—	4.95	4.49	3.95	2.96
308110CK	LJ4071-22 EWRN	—	3.60"	Red; gray face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
308128CK	LJ4071-22 BRRN	—	3.60"	Red; black face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
308136CK	LJ4071-22 BWRN	—	3.60"	Red; red face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
334511CK	UL10000-E-EWAK†	—	—	Green	Bargraph	4	2.1 @ 20	1.4 @ 10	567	—	1.22	.99	.81	.65
334529CK	UL10000-HR-RRAK†	—	—	Red	Bargraph	4	2.1 @ 20	1.6 @ 10	635	—	1.18	.95	.78	.63
334537CK	UL10000-Y-EWAK†	—	—	Yellow	Bargraph	4	2.1 @ 20	1.1 @ 10	585	—	1.15	.93	.77	.61

* CA-Common Anode/CC-Common Cathode/AC-Anode Column/CR-Cathode Row/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † Bargraph

2-50mA LED Tester

This pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test at current ratings from 2-50mA. The seven middle positions on the strips are set at 10mA allowing comparison of LEDs in those spaces.

Requires: 9V battery (recommend P/N 198791CK, pg 228)

• Size: 3.2"L x 2.4"W x 0.9"H



Part No.	Description	Price
354968CK	LED tester	\$8.55 \$7.95

JAMECO BenchPro 2-150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA.

Another 13 position strip ranging from 20mA to 150mA to test other types of LEDs with ACA (anode-cathode-anode) or CAC (cathode-anode-cathode) pin configuration. Includes 9V battery.

• Size: 3.1" L x 2.2" W x 0.9" H





Part No.	Description	Price
355805CK	LED tester	\$8.95

vellenman 2-Digit Serial LED Display with Serial Interface Kit

- Bright, red jumbo-sized 7-segment displays (57mm)
- Easy platform control via RS-232 3-wire interface
- Multiple units can be linked easily to create large readout for score-keeping, timing, counting and other applications
- Up to 255 units can be separately addressed
- Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/ no parity/one stop bit
- Size: 2.9"H x 2.3"W x 1.3"D



Part No.	Description	Price
645221CK	LED display	\$47.29

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

JAMECO ValuePro

Infrared and Visible Light Emitters and Detectors

- Use for remote control and/or for fiber optics
- P/N 133946CK: Can be used with cameras, see page 257 (peak emission wavelength: 940nm @ 20mA)

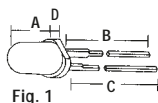


Fig. 1

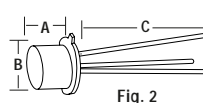


Fig. 2



Fig. 3



Fig. 4

Part No.	Cross Ref. No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing			
						A	B	C	D				1	10	100	1000
372710CK	UT0383-41-940	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	\$.23	\$.225	\$.151	\$.136
372728CK	UT0385-41-880	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	880	13	.30	.28	.176	.165
372736CK	UT1883-81-880	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.32	.22	.176	.167
372744CK	UT1885-81-880	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.30	.28	.176	.167
372761CK	UT1883-81-940	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.25	.197	.129	.116
372779CK	UT1885-81-940	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.29	.23	.151	.136
372816CK	UT6W83-AE-940	4	Infrared emitter diode (GaAs), sidelook	4.45mm x 2.31mm	—	—	—	—	—	1.3V @ 50mA	940	50	.29	.23	.144	.13
372963CK	UT0393-46-0125	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
372971CK	UT0395-46-0125	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
373000CK	UT1893-91-0125	1	Infrared phototransistor	T1 3/4	0.200/5	—	—	—	—	—	—	—	.26	.25	.192	.173
373042CK	UT6W93-AE-0125	4	Infrared phototransistor, side view	4.45mm x 2.31mm	—	—	—	—	—	—	—	—	.30	.28	.22	.198
Other Manufacturers																
112150CK	LIR2043	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.22	\$.18	\$.14	\$.12
133946CK	SLI-0308CP	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	.62	.53	.40	.31
112176CK	LPT2023	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	.39	.29	.19	.15
106526CK	LVIR3333	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19	.15
112168CK	LPT3313	1	Infrared phototransistor	T1 3/4	0.200/5	0.31	1.05	1.10	0.04	—	940	—	.36	.30	.24	.20
120221CK	BPW77NA	2	Visible light phototransistor	TO-18	—	.024	0.19	0.52	—	—	850	—	1.99	1.89	1.55	1.21
172321CK	OP133	3	Infrared emitter diode (GaAs)	TO-46	—	0.22	0.18	1.05	0.20	1.4V @ 100mA	935	5	\$2.15 1.95	1.85	1.69	1.59

Lens color: 1 = water clear; 2 = blue clear

JAMECO ValuePro

LED Replacement Lamps

585 Series Polarized

- Low current draw – 90% less energy than incandescent
- No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Multi-Chip Based LED T1 - Midjet Flange - Polarized

- Replaces incandescent lamp numbers: 327, 328, 330, 345, 350, 376, 377, 380, 381, 382, 385, 387, and 7341

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392673CK	585-1213	Ultra Red	14	20	280	625	\$5.79	\$5.65	\$4.48
392681CK	585-1313	Green	14	14	500	525	5.49	5.35	4.25
392690CK	585-1413	Yellow	14	20	530	588	5.49	5.35	4.25
392702CK	585-1215	Red	28	4.5	350	625	5.79	5.65	4.48
392711CK	585-1315	Green	28	4.5	300	525	5.49	5.35	4.25
392729CK	585-1415	Yellow	28	4.5	450	588	5.49	5.35	4.25



392690CK



Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392551CK	585-5223	Red	14	20	7000	630	\$12.19	\$10.79	\$10.39
392569CK	585-5323	Green	14	20	6500	525	12.19	10.79	10.39
392585CK	585-5523	Yellow	14	20	7000	588	12.79	12.29	10.87
392593CK	585-5225	Red	28	15	6500	630	12.35	11.85	10.39
392606CK	585-5325	Green	28	15	6000	525	11.29	11.01	9.48
392622CK	585-5525	Yellow	28	15	6000	588	12.95	12.36	10.87
392631CK	585-5256	Red	120VAC	5.5	6500	625	9.89	9.64	8.31
392649CK	585-5356	Green	120VAC	5.5	7000	525	9.65	9.41	8.10
392665CK	585-5556	Yellow	120VAC	5.5	6500	590	11.15	10.87	9.35



392569CK



Bayonet Based LED T3 Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 757, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
394476CK	585-4113	Red	14	20	550	630	\$7.85	\$7.24	\$5.28
394492CK	585-4115	Red	28	14	350	630	7.85	7.24	5.28



394476CK



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

LED Panel-Mount Indicators

- Easy panel installation
 - Panel/status/instrument indicators
- 141111CK/141129CK/141137CK:** Chrome housing
236419CK: Black nylon housing



Part No.	Cross Ref. No.	LED Size	Color	Dimensions (in.)			Mounting Hole	Vt @ If	Pricing			
				L	A	B			1	10	100	1000
141111CK	L922SRD	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$.79	\$.60	\$.52	\$.45
141129CK	L913RD	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.09	.81	.69	.61
141137CK	L917RD	T1 3/4	Red	.70	.55	.47	.31"	2V @ 20mA	.89	.79	.71	.55
637183CK	UT2U1G-H113-R801-W05	T1 3/4	Green	.55	5.5	5.5	.24"	12V @ 30mA	1.29	1.05	.87	.76

Incandescent Panel Mount Lamps

- 215781CK/215790CK/215773CK: wire length - 3.9" (100mm)
- 215749CK/215757CK/215765CK: wire length - 4.9" (125mm)
- 215714CK/215722CK/215731CK: solder terminals - 0.196" (5mm)



Part No.	Cross Ref. No.	Fig.	Voltage	Color	Mounting Hole	Pricing		
						1	10	100
215773CK	R9-46B-W100-12V-R	1	12	Red	1/2" (13mm)	\$1.79	\$1.61	\$1.20
215781CK	R9-46B-W100-12V-Y	1	12	Yellow	1/2" (13mm)	1.65	1.45	1.19
215790CK	R9-46B-W100-12V-G	1	12	Green	1/2" (13mm)	1.79	1.61	1.20
215749CK	R9-55B-W130-12V-R	2	12	Red	9/32" (7mm)	1.79	1.59	1.35
215757CK	R9-55B-W130-12V-Y	2	12	Yellow	9/32" (7mm)	1.65	1.45	1.19
215765CK	R9-55B-W130-12V-G	2	12	Green	9/32" (7mm)	1.79	1.59	1.35
215714CK	R9-71B-05-12V-R	3	12	Red	5/8" (16mm)	1.79	1.61	1.20
215722CK	R9-71B-05-12V-Y	3	12	Yellow	5/8" (16mm)	1.65	1.45	1.19
215731CK	R9-71B-05-12V-G	3	12	Green	5/8" (16mm)	1.79	1.61	1.20

Cluster-Type T1 3/4 LED Lamp

- Cluster-type red/green T1 3/4 LEDs
- Lens: water clear
- Common anode
- 14 cluster (8 green/6 red)
- 660nm for red/570nm for green
- 3 lead wires

Quantity SAVE

Part No.	Product No.	Vt @ If	mcd @ mA	Lead Wire	Mounting Hole Dia.	Dimensions (Dia. x L)	Pricing		
							1	10	100
150922CK	LCR2614B-79	10V @ 20mA	1950 @ 20	7"	M3	1.02 x 1.51	\$4.95	\$4.21	\$3.16

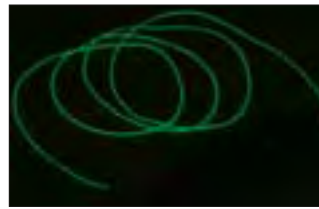
Electroluminescence Wires

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Product No.	Color	1	10	25
263484CK	NWRB15	Blue	\$21.95	\$20.95	\$19.95
263505CK	NWRG15	Green	21.95	20.95	19.95
263492CK	NWRR15	Red	21.95	20.95	19.95

velleman



Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)



Part No.	Cross Ref. No.	1	10	100
215802CK:	Red			
215811CK:	Yellow			
215829CK:	Green			
215802CK	R9-71N-05-120V-R	\$1.79	\$1.59	\$1.35
215811CK	R9-71N-05-120V-Y	1.79	1.59	1.35
215829CK	R9-71N-05-120V-G	1.79	1.59	1.35

Miniature Fluorescent Lamps

Add fluorescent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V - 800V output needed by lights.



Part No.	Prod. No.	Description	1	10	25
239610CK	FLW1	White light	\$9.95	\$8.95	\$7.95
239572CK	FLB1	Blue light	9.95	8.95	7.95
239581CK	FLBL1	Black light	9.95	8.95	7.95
239628CK	FLY1	Yellow light	9.95	8.95	7.95
239601CK	FLP1	Pink light	9.95	8.95	7.95
239599CK	FLG1	Green light	9.95	8.95	7.95
239636CK	FLPS1	12VDC PS	9.95	8.95	7.95

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!

CdS Photocells

- Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
- Generate variable signal based on detection of light levels
- Soldering: 230°C for 3 seconds
- Operating temperature: -30°C to +70°C
- Cadmium Sulfide (CdS)

Part No.	Cross Ref. No.	Rating		Resistance (Ω)		Size (inches)		Lead Spacing (inches)	Lead Length (inches)	Pricing			
		Vp	mW	Dark	Light	A	B			1	10	100	1000
120299CK	136055CK	CDST08	50	200	100k	10k	0.40	0.44	0.30	\$.89	\$.80	\$.69	\$.52
	202366CK	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.69	1.52	1.22	.91
	120310CK	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.20	1.09	.99
	202391CK	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.49	1.35	1.19	1.09
	202382CK	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.49	1.34	1.21	.99
	202420CK	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	.78	.70	.64	.58
	202403CK	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.49	1.35	1.19	1.09
	202411CK	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	.69	.65	.59	.55
	202438CK	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.49	1.34	1.07	.96
	120301CK	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.79	1.59	1.45	1.29
	120299CK	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.79	1.59	1.45	1.29
	202454CK	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.69	1.55	1.35	1.15

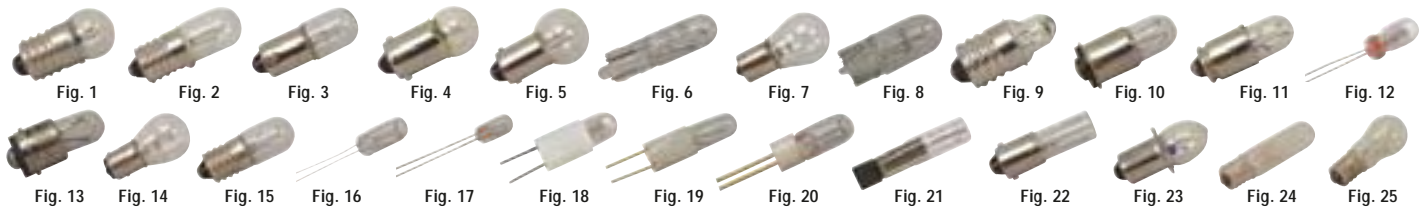
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Incandescent and Neon Lamps

RoHS RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave



Incandescent Lamps

Quantity SAVE

* Prepackaged: order in increments of 5, 10 or 100

Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing			
						1	5	10	100
209381CK	13	1	G3 1/2 miniature screw	3.7	.98	\$.79	\$.75	\$.69	\$.52
209390CK	14	1	G3 1/2 miniature screw	2.47	.50	.55	.52	.49	.45
209402CK	40	2	T3 1/4 miniature screw	6.3	.50	.35	.29	.19	.15
209411CK	44	3	T3 1/4 miniature bayonet	6.3	.90	*	.19	.188	.141
209429CK	46	2	T3 1/4 miniature screw	6.3	.90	.45	.37	.32	.27
209437CK	47	3	T3 1/4 miniature bayonet	6.3	.50	*	.19	.188	.141
209445CK	50	1	G3 1/2 miniature screw	7.5	1.0	.59	.53	.45	\$.37
210403CK	51	4	G3 1/2 miniature bayonet	7.5	1.0	\$.42	.34	.31	.278
209453CK	53	4	G3 1/2 miniature bayonet	14.4	1.0	.54	.484	.429	\$.322
210411CK	55	5	G4 1/2 miniature bayonet	7.0	2.0	*	.166	.12	.09
209461CK	73	6	T1 3/4 wedge	14.0	.30	.24	.218	.19	.165
209470CK	85	6	T1 3/4 wedge	28.0	.30	.27	.24	.21	\$.158
209488CK	86	6	T1 3/4 wedge	6.3	.40	*	.19	.171	\$.128
209496CK	93	7	S-8 snl contact bayonet	12.8	15.0	.59	.53	.45	\$.335
209509CK	161	8	T3 1/4 wedge	14.0	1.0	.35	.31	.24	\$.18
209517CK	168	8	T3 1/4 wedge	14.0	3.0	.35	.30	.24	\$.18
209525CK	194	8	T3 1/4 wedge	14.0	2.0	*	.19	.185	\$.139
209533CK	222	9	GTL-3 miniature screw	2.25	—	.28	.27	.229	\$.172
209541CK	259	8	T3 1/4 wedge	6.3	.65	.22	.19	.184	.138
209550CK	313	3	T3 1/4 miniature bayonet	28.0	3.5	.23	.21	.198	\$.149
209568CK	327	10	T1 3/4 midget flange	28.0	.34	.27	.26	.24	.23
209576CK	328	10	T1 3/4 midget flange	6.0	.60	.41	.39	.36	\$.27
209584CK	330	10	T1 3/4 midget flange	14.0	.50	.32	.305	.288	.251
209592CK	334	11	T1 3/4 midget groove	28.0	.34	.38	.342	.308	\$.231
209605CK	335	15	T1 3/4 midget screw	28.0	.34	.40	.385	.346	.30
209613CK	344	10	T1 3/4 midget flange	10.0	.002	\$.99	.79	.71	.61
209621CK	345	10	T1 3/4 midget flange	6.0	.03	\$.56	.36	.32	.288
209630CK	370	10	T1 3/4 midget flange	18.0	.15	\$.54	.36	.284	.256
209648CK	376	10	T1 3/4 midget flange	28.0	.34	.34	.309	.277	.25
209656CK	379	11	T1 3/4 midget groove	6.3	.40	\$.69	.36	.321	.289
209664CK	381	10	T1 3/4 midget flange	6.3	.40	.38	.365	.344	\$.251
209672CK	382	10	T1 3/4 midget flange	14.0	.30	.61	.56	.49	\$.368
209681CK	385	10	T1 3/4 midget flange	28.0	.15	\$.61	.34	.309	.278
209699CK	386	11	T1 3/4 midget groove	14.0	.30	.45	.39	.33	.27
209701CK	387	10	T1 3/4 midget flange	28.0	.30	.37	.34	.27	.25
209710CK	388	11	T1 3/4 midget groove	28.0	.30	.32	.305	.288	.23
209728CK	394	10	T1 3/4 midget flange	12.0	.12	.36	.35	.32	.24
209736CK	656	8	T3 1/4 wedge .06A	28.0	.62	\$.24	.20	.18	.168
209752CK	657	8	T3 1/4 wedge .08A	28.0	.62	.23	.205	.184	\$.138
202100CK	683	12	T1 wire terminal	5.0	.05	.54	.429	.385	.308
209761CK	685	13	T1 sub midget flange	5.0	.05	.55	.493	.44	.40
209779CK	715	12	T1 wire terminal	5.0	.15	.91	.82	.70	\$.525
209787CK	755	3	T3 1/4 miniature bayonet	6.3	.33	.49	.44	.37	.30
209795CK	756	3	T3 1/4 miniature bayonet	14.0	.31	.40	.38	.328	.246
209808CK	757	3	T3 1/4 miniature bayonet	28.0	.62	.42	.35	.32	.27
210438CK	1156	7	S-8 snl contact bayonet	12.8	32	.49	.45	.39	\$.293
210446CK	1157	14	S-8 double contact index	12.8/14	32/3	.45	.39	.35	\$.263
209816CK	1450	4	G3 1/2 miniature bayonet	24.0	.23	.99	.89	.76	\$.57
209824CK	1813	3	T3 1/4 miniature bayonet	14.4	.86	.28	.26	.232	\$.174
209832CK	1815	3	T3 1/4 miniature bayonet	14.0	1.4	.38	.34	.293	.22
209841CK	1816	3	T3 1/4 miniature bayonet	13.0	3.0	.24	.22	.208	\$.156
209859CK	1818	3	T3 1/4 miniature bayonet	24.0	3.3	.81	.78	.75	\$.56
209867CK	1819	3	T3 1/4 miniature bayonet	28.0	.34	.23	.21	.198	\$.149
209875CK	1820	3	T3 1/4 miniature bayonet	28.0	1.6	.30	.28	.26	\$.195
209883CK	1821	15	T3 screw	28.0	3.4	.99	.89	.79	\$.59
209891CK	1822	3	T3 1/4 miniature bayonet	36.0	2.1	.29	.28	.27	\$.203
209904CK	1829	3	T3 1/4 miniature bayonet	28.0	1.0	.23	.21	.208	.156

Incandescent Lamps (Continued)

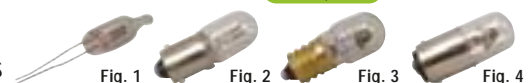
SALE

Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing			
						1	5	10	100
209912CK	1835	3	T3 1/4 miniature bayonet	55.0	1.1	\$.36	\$.35	\$.342	\$.257
209921CK	1847	3	T3 1/4 miniature bayonet	6.3	.38	.55	.49	.36	\$.27
209939CK	1850	3	T3 1/4 miniature bayonet	5.0	.25	.50	.45	.38	\$.285
209947CK	1864	3	T3 1/4 miniature bayonet	28.0	3.0	.55	.50	.40	\$.30
209955CK	1866	3	T3 1/4 miniature bayonet	6.3	.65	.59	.55	.53	\$.396
209963CK	1891	3	T3 1/4 min. bayonet .24A	14.0	2.0	.38	.365	.352	\$.264
141073CK	2182	16	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34
141065CK	2200	16	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44
141057CK	6833	17	T 3/4 wire terminal	5.0	.05	1.25	1.15	1.07	\$.80
209998CK	7219	12	T1 wire terminal	12.0	.15	.35	.29	.25	.19
210008CK	7328	18	T1 3/4 bi-pin	6.0	.60	.89	.79	.69	.59
210016CK	7335	10	T1 3/4 midget flange	5.0	.15	.59	.50	.40	\$.30
210024CK	7341	10	T1 3/4 midget flange	28.0	.65	.69	.66	.54	\$.405
141006CK	7361	18	T1 3/4 bi-pin	5.0	.05	.99	.89	.79	.69
210032CK	7382	18	T1 3/4 bi-pin	14.0	.30	.61	.49	.44	.33
210041CK	7387	18	T1 3/4 bi-pin	28.0	.30	.61	.56	.49	.36
210059CK	7632	19	T1 1/4 bi-pin	28.0	.32	1.29	.99	.89	.67
210067CK	7683	20	T1 bi-pin	5.0	.05	.99	.75	.60	\$.45
210075CK	7715	20	T1 bi-pin	5.0	.15	1.19	.99	.89	.79
210083CK	7839	20	T1 bi-pin	28.0	.15	1.49	1.24	1.11	\$.83
210227CK	6PSB	21	T2 tel. slide base type 5	6.0	550	\$.63	.42	.382	.344
309673CK	6S6	25	S6 candelabra	120	—	.84	.80	.76	\$.57
210112CK	12ESB	21	T2 tel. slide base type 5	12.0	650	.54	.49	.41	\$.308
210121CK	12PSB	21	T2 tel. slide base type 5	12.0	2000	1.69	1.59	1.55	\$ 1.16
309681CK	20T6 1/2	24	T6 1/2 20W intermediate	120	—	1.69	1.59	1.55	\$ 1.16
210139CK	24ESB	21	T2 tel. slide base type 5	24.0	850	.54	.49	.41	\$.308
210147CK	24MB	22	T2 miniature bayonet	24.0	3000	\$.99	.79	.65	.55
210163CK	28ESB	21	T2 tel. slide base type 5	28.0	1500	\$.69	.59	.51	.45
210171CK	28MB	22	T2 miniature bayonet	28.0	1600	\$ 1.09	.58	.52	.467
210180CK	28PSB	21	T2 tel. slide base type 5	28.0	1600	.69	.62	.53	.395
210198CK	48PSB	21	T2 tel. slide base type 5	48.0	1800	\$.89	.52	.469	.422
210201CK	60MB	22	T2 miniature bayonet	60.0	2200	\$ 1.09	.58	.519	.467
210219CK	60PSB	21	T2 tel. slide base type 5	60.0	2200	\$.69	.55	.50	.485
210091CK	120MB	22	T2 miniature bayonet	120.0	1200	.86	.81	.74	.61
210104CK	120PSB	21	T2 tel. slide base type 5	120.0	1200	.69	.65	.59	.55
210340CK	PR2	23	B3 1/2 snl cont. mini flange	2.38	.80	.20	.19	.176	\$.132
210358CK	PR3	23	B3 1/2 snl cont. mini flange	3.57	1.5	\$.24	.20	.185	.174
210366CK	PR4	23	B3 1/2 snl cont. mini flange	2.33	.40	.20	.19	.174	\$.131
210374CK	PR6	23	B3 1/2 snl cont. mini flange	2.47	.45	.20	.19	.174	\$.131

* Blue Part No. = Limited Quantity Available

Quantity SAVE

Neon Lamps

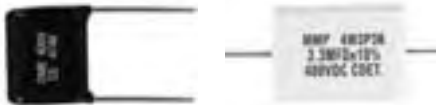


Part No.	Cross Ref. No.	Fig.	Description	Voltage	Pricing			
					1	5	10	100
27351CK	A1A (NE-2)	1	Wire terminal .6mA	65-120	\$.42	\$.35	\$.31	\$.26
210243CK	A1B	1	Wire terminal .3mA	65-120	.25	.24	.232	\$.174
210251CK	A1C	1	Wire terminal 1.2mA	65-120	\$.45	.34	.325	.29
210260CK	A9A (NE-2E)	1	Wire terminal .7mA	65-120	.25	.238	.232	\$.174
210278CK	B1A (NE-51)	2	T3 1/4 miniature bayonet	65-120	.77	.70	.68	\$.51
210286CK	B2A (NE-51H)	2	T3 1/4 miniature bayonet	65-120	.86	.74	.61	\$.451
210294CK	B7A (NE-45)	3	T4 1/2 candelabra screw	65-120	\$.99	3.55	3.10	2.75
210307CK	B9A (NE-48)	4	T4 1/2 D.C. bayonet	65-120	2.99	2.69	2.29	\$ 1.71
210315CK	C2A (NE-2H)	1	Wire terminal	65-120	.45	.39	.35	.26

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

CDE Polyester Film Capacitors



158X Series Type X2 Suppressors Metallized, Radial Lead

- Leads in two lengths • Voltage range: 250VAC
- Operating temp.: -40° to 100°C

160 Series Metallized Radial Lead

- Operating temp.: -55° to 125°C
- Voltage range: 63VDC to 100VDC

167/184 Series Metallized Radial Lead

- Operating temp.: -55° to 125°C
- Voltage range: 63VDC to 630VDC

168/185 Series Metallized Radial Lead

- Operating temp.: -55° to 125°C
- Voltage range: 50VDC to 400VDC

Type DME Metallized Radial Lead

- Voltage range: 100-1000VDC
- Tolerance: $\pm 10\%$ (K); $\pm 5\%$ (J)
- Operating temp.: -55°C to 125°C

Type DMT, Film Foil, High Peak Currents, High Insulation Resistance Radial Lead

- Voltage range: 100-630VDC
- Tolerance: $\pm 10\%$ (K); $\pm 5\%$ (J)
- Operating temp.: -55°C to 125°C

Type DSF Stacked Metallized Radial Lead

- Voltage range: 50-100VDC
- Tolerance: $\pm 5\%$ (J) • Op. temp.: -40°C to 85°C

Type MMP Metallized Oval, Axial Lead

- Voltage range: 100-630VDC
- Operating temp.: -55°C to 125°C

Type 150 Metallized Axial Lead

- Voltage range: 63-1000VDC
- Operating temp.: -55°C to 125°C

Type MMWA High Capacitance, High Voltage Metallized, Axial Lead

- Voltage range: 50-1000VDC
- Operating temp.: -55°C to 125°C

Type WMF, Film/Foil, Axial Lead

- Voltage range: 50-630VDC
- Operating temp.: -55° to 125°C
- Insulation resistance: 100,000M Ω

Type Q/QL (QUENCHARC®)

- Voltage range: 200VDC-600VDC
- Op. temp.: -55° to 85°C • Noise & arc suppression

See Our Complete CDE Polyester Offering at www.Jameco.com/Prod/CDEPolyester

CDE Dipped Mica Capacitors

Type CD5, CD6, CD7 Mini

- Voltage range: 50-500VDC
- Temp. range: -55°C to 125°C
- 20,000 V/ μ s dV/dT pulse capability min.

Type CD10, CD15, CD19 Standard

- Voltage range: 100-2500VDC
- Temp. range: -55° to 125°C (O) -55°C to 150°C (P)

Type CDV16 Snubber & RF Applications

- Voltage range: 500-1000VDC
- Temp. range: -55° to 125°C
- Handle up to 9A_{RMS} continuous current

See Our Complete CDE Mica Offering at www.Jameco.com/Prod/CDEMica

CDE Polypropylene Film Capacitors



Type 935 Metallized Axial Lead

- Voltage range: 100-400VDC
- Capacitance tolerance: $\pm 10\%$ (K); $\pm 5\%$ (J)
- Operating temp.: -55° to 105°C

Type 940C High dV/dT, Round Metallized Axial Lead

- Voltage range: 600-3000VDC • Tolerance: $\pm 10\%$
- Operating temp.: -55° to 105°C

Type DPPM Compact Snubber Film/Foil

- Voltage range: 1000-2000VDC
- Operating temp.: -40°C to 105°C
- Tolerance: $\pm 10\%$ (K); $\pm 5\%$ (J); $\pm 20\%$ (M)

PVC Series Film/Foil Radial Lead

- Non-inductively wound

Type MPF AC Metallized Motor Run

- Voltage range: 330, 370 and 440VAC
- Operating temp.: -40° to 70°C

See Our Complete Polypropylene Offering at www.Jameco.com/Prod/CDEPolypropylene

CDE Ceramic Capacitors

Type CK MIL-11015 & 39014 Multilayer

- Radial & axial leaded
- Molded case construction
- Voltage range: 50/100/200VDC

GE/GP General Purpose Disc

- Radial leads
- Temp. range: -30°C to 85°C
- Insulation resistance: 10,000M Ω

HT Series EIA Class 2 Temp/Frequency

- Temp. range: -30°C to 85°C
- Insulation resistance: 10,000M Ω

M15 to M50 Series Multilayer

- Radial leaded, conformal coated
- Voltage range: 50/100/200VDC

M60 Series Multilayer

- Radial leaded conformal coated
- Operating temp.: -55°C to 125°C

P10-P40 Series Multilayer

- Voltage range: 50/100/200VDC
- Axial leaded conformal coated

See Our Complete CDE Ceramic Offering at www.Jameco.com/Prod/CDECeramic

CDE SMT Aluminum Capacitors

Type AVS SMT 85°C

- Operating temp.: -40° to 85°C
- Tolerance: $\pm 20\%$ @ 120Hz & 20°C
- Leakage current: 0.01CV or 3 μ A @ 20°C whichever is greater

SPA ESRD/ESRE Solid Polymer

- Low impedance • Voltage range: 2-16VDC
- Ultra low ESR; 10m Ω @ 100kHz

Type SGV • Voltage range: 4-50VDC

See Our Complete CDE SMT Offering at www.Jameco.com/Prod/CDESMT

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CDE Aluminum Electrolytic Capacitors

Type CGH High Voltage Screw Terminal Computer Grade

- Voltage range: 250-500VDC
- Temp. range: -40° to 85°C
- High ripple current

Type CGO Computer Grade

- Voltage range: 5-55VDC
- Temp. range: -40° to 85°C

Type CGR High Temperature Screw Terminal Computer Grade

- Voltage range: 7.5-200VDC
- Temp. range: -40° to 105°C • High ripple current

Type CGS Screw Terminal Computer Grade

- Voltage range: 6.3-500VDC
- Temp. range: -40° to 85°C • High CV product

Type SEK/SK Radial Lead

- Voltage range: 6.3-450VDC • Tolerance: $\pm 20\%$

Type SKA Axial Lead

- Tolerance: $\pm 20\%$ • High CV
- Voltage range: 6.3-450VDC

Type TC Axial Lead

- Voltage range: 16-450VDC
- Operating temp.: -40°C to 85°C
- High reliability w/ high ripple

Type TCG Axial Lead Computer Grade

- Voltage range: 6-450VDC • Op. temp.: -40°C to 85°C

Type TKA Axial Lead

- Long life, small size • Voltage range: 6.3-450VDC
- Operating temp.: -40°C to 105°C

Type SN 85°C Non-Polar

- Capacitance range: 0.47-2200 μ F
- Voltage range: 6.3-85VNP
- Operating temp.: -40°C to 105°C

See Our Complete CDE Electrolytic Offering at www.Jameco.com/Prod/CDEElectrolytic

CDE Radial Snap-In Capacitors

Type 380LX, 85°C High Capacitance

- 40°C to 85°C up to 300VDC, -25°C to 85°C ≥ 315 V
- Leakage current: ≤ 3 CV or 3 μ A @ 5 min.

Type 381LX 105°C High Ripple

- 40°C to 105°C up to 315VDC
- 25°C @ 350VDC & up to 450VDC
- Leakage current: ≤ 3 CV or 3 μ A

Type LP

- Operating temp.: -40°C to 105°C
- Voltage range: 16-250VDC

Type LPX • Operating temp: -40°C to 85°C

- Voltage range: 160-450VDC • Tolerance: $\pm 20\%$

See Our Complete CDE Snap-In Offering at www.Jameco.com/Prod/CDESnapIn

CDE Miscellaneous Capacitors

Type PSU AC Motor Start

- Dual quick connect terminals
- Voltage range: 110-330VAC
- Operating temp: -40°C to 65°C

Type SCRNFilm-Paper/Extended Foil Commutating Capacitor

- Voltage range: 200-2000 Vpk • Tolerance: $\pm 10\%$

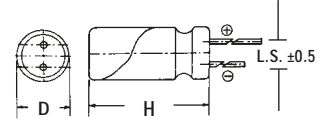
See Our Complete CDE Offering at www.Jameco.com/Prod/CDEOther

JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA;
Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU



85°C – General Purpose

Quantity SAVE

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609043CK	UVR2A0R1MDD	0.1	100V	5 x 11 x 2	*	\$.098	\$.081	\$.055
609078CK	UVR2AR22MDD	0.22	100V	5 x 11 x 2	*	.095	.078	.048
609086CK	UVR2AR33MDD	0.33	100V	5 x 11 x 2	*	.095	.078	.048
330464CK	RA0.47/50	0.47	50V	5 x 11 x 2	*	.045	.039	.03
609094CK	UVR2AR47MDD	0.47	100V	5 x 11 x 2	*	.095	.078	.048
330536CK	RA.47/160	0.47	160V	5 x 11 x 2	*	.151	.103	.07
330430CK	RA1/25	1	25V	5 x 11 x 2	*	.045	.039	.03
94160CK	5R1/50	1	50V	4 x 5 x 1.5	*	.12	.08	.05
29832CK	R1/50	1	50V	5 x 11 x 2	*	.063	.053	.042
609035CK	UVR2A010MDD	1	100V	5 x 11 x 2	*	.098	.082	.055
330544CK	RA1/160	1	160V	6 x 11 x 2.5	*	.047	.045	.04
330587CK	RA1/250	1	250V	6 x 11 x 2.5	*	.065	.06	.053
330405CK	RA2.2/16	2.2	16V	5 x 11 x 2	*	.045	.039	.03
93730CK	R2.2/50	2.2	50V	5 x 11 x 2	*	.038	.033	.026
199021CK	R2.2/100	2.2	100V	5 x 11 x 2	*	.035	.03	.025
609123CK	UVR2C2R2MED	2.2	160V	6.3 x 11 x 2.5	.20	.126	.08	.056
609182CK	UVR2E2R2MED	2.2	250V	6.3 x 11 x 2.5	.22	.141	.097	.066
609254CK	UVR2V2R2MPD	2.2	350V	8 x 11.5 x 3.5	.27	.182	.128	.088
609211CK	UVR2G2R2MPD	2.2	400V	10 x 12.5 x 5	.30	.213	.152	.112
135184CK	R3.3/50	3.3	50V	5 x 11 x 2	*	.05	.04	.03
609051CK	UVR2A3R3MDD	3.3	100V	5 x 11 x 2	*	.095	.078	.058
609191CK	UVR2E3R3MPD	3.3	250V	8 x 11.5 x 3.5	.25	.166	.12	.08
609271CK	UVR2V3R3MPD	3.3	350V	10 x 12.5 x 5	.30	.229	.16	.12
330413CK	RA4.7/16	4.7	16V	5 x 11 x 2	*	.045	.04	.03
330448CK	RA4.7/25	4.7	25V	5 x 11 x 2	*	.045	.039	.03
31001CK	R4.7/50	4.7	50V	6 x 11 x 2	*	.042	.037	.029
609060CK	UVR2A47MDD	4.7	100V	5 x 11 x 2	*	.103	.088	.058
609158CK	UVR2C47MED	4.7	160V	6.3 x 11 x 2.5	*	.119	.08	.048
330595CK	RA4.7/250	4.7	250V	8 x 11 x 3.5	*	.112	.094	.083
609297CK	UVR2V47MPD	4.7	350V	10 x 12.5 x 5	.30	.229	.16	.12
609220CK	UVR2G47MPD	4.7	400V	10 x 16 x 5	.37	.269	.196	.141
198838CK	R10J/16	10	16V	5 x 11 x 2	*	.045	.03	.025
94211CK	5R10/25	10	25V	4 x 5 x 1.5	*	.13	.08	.05
94220CK	5R10/35	10	35V	5 x 5 x 2	*	.09	.07	.065
94369CK	7R10/35	10	35V	5 x 7 x 2	*	.09	.07	.065
29892CK	R10/50	10	50V	5 x 11 x 2	*	.067	.055	.045
330481CK	RA10/63	10	63V	5 x 11 x 2	*	.056	.047	.038
199048CK	R10J/100	10	100V	6 x 11 x 2.5	*	.07	.06	.05
330552CK	RA10/160	10	160V	8 x 11 x 3.5	*	.122	.114	.093
330608CK	RA10/250	10	250V	10 x 15 x 5	*	.16	.133	.114
330632CK	RA10/350	10	350V	10 x 20 x 5	.25	.226	.20	.171
609203CK	UVR2G100MDD	10	400V	12.5 x 20 x 5	.45	.34	.248	.186
330641CK	RA10/450	10	450V	13 x 21 x 5	.46	.414	.333	.241
198846CK	R22J/16	22	16V	5 x 11 x 2	*	.04	.035	.026
189918CK	R22J/25	22	25V	5 x 11 x 2	*	.049	.041	.031
198942CK	R22J/35	22	35V	5 x 11 x 2	*	.029	.026	.023
93738CK	R22/50	22	50V	5 x 11 x 2	*	.062	.056	.039
608972CK	UVR1J220MDD	22	63V	5 x 11 x 2	*	.111	.072	.048
199056CK	R22J/100	22	100V	6 x 11 x 2.5	*	.15	.09	.06
609107CK	UVR2C220MPD	22	160V	10 x 16 x 5	.30	.213	.16	.112
609166CK	UVR2E220MHD	22	250V	12.5 x 20 x 5	.48	.356	.256	.186
609246CK	UVR2V220MHD	22	350V	12.5 x 25 x 5	.49	.371	.28	.203
330659CK	RA22/450	22	450V	16 x 26 x 7.5	.58	.517	.456	.39
198854CK	R33J/16	33	16V	5 x 11 x 2	*	.035	.032	.028
198926CK	R33J/25	33	25V	5 x 11 x 2	*	.045	.035	.025
609027CK	UVR1V330MDD	33	35V	5 x 11 x 2	*	.103	.085	.058
93746CK	R33/50	33	50V	6 x 11 x 2.5	*	.055	.05	.045
608999CK	UVR1J330MED	33	63V	6.3 x 11 x 2.5	*	.126	.088	.064

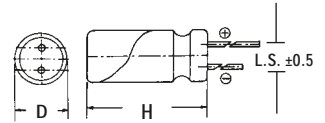
Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
199064CK	R33J/100	33	100V	8 x 11 x 3.5	*	\$.11	\$.10	\$.09
609131CK	UVR2C330MPD	33	160V	10 x 20 x 5	.45	.34	.248	.178
609262CK	UVR2V330MHD	33	350V	16 x 25 x 7.5	.85	.63	.472	.348
330667CK	RA33/450	33	450V	16 x 30 x 7.5	1.09	.97	.86	.62
135302CK	R47/10	47	10V	5 x 12 x 2	*	.04	.03	.023
198862CK	R47J/16	47	16V	5 x 11 x 2	*	.04	.032	.023
93754CK	R47/25	47	25V	5 x 11 x 2	*	.053	.037	.029
198951CK	RA47/35	47	35V	5 x 11 x 2	*	.05	.04	.03
31115CK	R47/50	47	50V	6 x 11 x 2.5	*	.067	.056	.05
330499CK	RA47/63	47	63V	8 x 12 x 3.5	*	.089	.075	.064
199072CK	R47J/100	47	100V	10 x 12 x 5	*	.15	.13	.10
330561CK	RA47/160S	47	160V	10 x 20 x 5	.34	.31	.276	.238
330616CK	RA47/250	47	250V	13 x 25 x 5	.57	.508	.447	.388
609289CK	UVR2V470MHD	47	350V	16 x 35.5 x 7.5	1.37	1.04	.78	.57
330675CK	RA47/450	47	450V	18 x 30 x 7.5	1.75	1.21	.92	.70
608809CK	UVR0J101MDD	100	6.3V	5 x 11 x 2	*	.087	.075	.048
207812CK	R100/10	100	10V	5 x 11 x 2	*	.08	.06	.05
330421CK	RA100/16	100	16V	5 x 11 x 2	*	.056	.055	.048
94289CK	5R100/16	100	16V	6 x 5 x 2.5	*	.15	.12	.09
94431CK	7R100/16	100	16V	6 x 7 x 2.5	*	.15	.12	.09
93762CK	R100/25	100	25V	6 x 11 x 2.5	*	.078	.056	.039
198969CK	R100J/35	100	35V	6 x 11 x 2.5	*	.07	.06	.05
29963CK	R100/50	100	50V	8 x 11 x 3.5	*	.078	.067	.056
330501CK	RA100/63	100	63V	8 x 14 x 3.5	*	.122	.114	.095
330528CK	RA100/100	100	100V	10 x 20 x 5	.33	.282	.266	.19
330579CK	RA100/160S	100	160V	13 x 25 x 5	.56	.498	.437	.371
330624CK	RA100/250	100	250V	16 x 30 x 7.5	1.25	1.09	.95	.68
609238CK	UVR2V101MHD	100	350V	18 x 40 x 7.5	1.41	1.07	.83	.61
330683CK	RA100/450	100	450V	22 x 42 x 10.5	3.39	3.03	2.08	1.56
608833CK	UVR0J221MDD	220	6.3V	5 x 11 x 2	*	.119	.08	.056
135124CK	R220/10	220	10V	6 x 7 x 2.5	.26	.23	.19	.142
198871CK	7R220/16	220	16V	6 x 11 x 2.5	*	.11	.07	.06
30497CK	R220/25	220	25V	8 x 11 x 3.5	*	.08	.06	.05
93771CK	R220/35	220	35V	8 x 12 x 5	*	.09	.08	.07
93779CK	R220/50	220	50V	10 x 15 x 5	*	.167	.133	.10
330510CK	RA220/63	220	63V	10 x 17 x 5	.27	.235	.219	.181
199081CK	R220J/100	220	100V	12 x 25 x 5	.52	.47	.37	.28
609115CK	UVR2C221MHD	220	160V	16 x 35.5 x 7.5	1.29	.98	.73	.527
609174CK	UVR2E221MRD	220	250V	20 x 40 x 10	2.69	2.23	1.72	1.29
608868CK	UVR0J331MED	330	6.3V	6.3 x 11 x 2.5	*	.126	.088	.064
608921CK	UVR1A331MED	330	10V	6.3 x 11 x 2.5	.23	.15	.104	.072
198890CK	R330J/16	330	16V	8 x 11 x 3.5	*	.132	.066	.056
93797CK	R330/25	330	25V	8 x 12 x 3.5	*	.144	.10	.089
198977CK	R330J/35	330	35V	10 x 12 x 5	.20	.18	.144	.108
330472CK	RA330/50	330	50V	10 x 20 x 5	.26	.235	.209	.181
609001CK	UVR1J331MPD	330	63V	10 x 20 x 5	.50	.371	.28	.203
199099CK	R330J/100	330	100V	12 x 25 x 5	.60	.54	.43	.32
330384CK	RA470/10	470	10V	8 x 11 x 3.5	*	.103	.083	.067
93810CK	R470/16	470	16V	8 x 11 x 3.5	*	.11	.103	.099
31182CK	R470/25	470	25V	8 x 14 x 5	*	.133	.111	.10
93818CK	R470/35	470	35V	10 x 16 x 5	*	.17	.15	.13
93826CK	R470/50	470	50V	10 x 20 x 5	.32	.31	.21	.144
609019CK	UVR1J471MHD	470	63V	12.5 x 20 x 5	.69	.514	.384	.284
199101CK	R470J/100	470	100V	16 x 25 x 7.5	1.15	.78	.69	.58
609140CK	UVR2C471MRD	470	160V	22 x 40 x 10	2.55	1.91	1.46	1.09
330456CK	RA680/25S	680	25V	8 x 16 x 3.5	.97	.87	.78	.70
330392CK	RA1000/10	1000	10V	8 x 14 x 3.5	*	.132	.114	.091
30016CK	R1000/16	1000	16V	10 x 16 x 5	*	.16	.14	.12

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA;
 Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

85°C – General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
93834CK	R1000/25	1000	25V	10 x 20 x 5	\$.28	\$.25	\$.23	\$.18
286045CK	Q399L	1000	35V	12 x 20 x 5	.50	.46	.41	.33
93842CK	R1000/50	1000	50V	13 x 25 x 5	.58	.51	.455	.38
302578CK	RS1000/50	1000	50V	18 x 21 x 7.5	.58	.51	.455	.341
608964CK	UVR1J102MHD	1000	63V	16 x 25 x 7.5	1.11	.84	.63	.454
199110CK	R1000J/100	1000	100V	18 x 40 x 7.5	2.29	2.06	1.65	1.24
608841CK	UVR0J222MPD	2200	6.3V	10 x 20 x 5	.41	.316	.224	.162
608913CK	UVR1A222MPD	2200	10V	10 x 20 x 5	.45	.332	.248	.178
133146CK	R2200/16	2200	16V	10 x 20 x 5	.36	.31	.267	.244
30534CK	R2200/25	2200	25V	13 x 21 x 5	.61	.545	.444	.333
198985CK	R2200J/35	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
608956CK	UVR1H222MHD	2200	50V	16 x 35.5 x 7.5	1.55	1.14	.87	.62
608981CK	UVR1J222MHD	2200	63V	18 x 35.5 x 7.5	1.49	1.14	.87	.65
198897CK	R3300J/16	3300	16V	12 x 25 x 5	.49	.39	.33	.29
30892CK	R3300/25	3300	25V	13 x 29 x 5	.79	.72	.545	.48
198993CK	R3300J/35	3300	35V	16 x 35 x 7.5	.87	.77	.67	.57



Blue Part No. = Limited Quantity Available

105°C – HT Type General Purpose

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609545CK	UVZ1H0R1MDD	0.1	50V	5 x 11 x 2	\$.20	\$.126	\$.088	\$.056
609617CK	UVZ1HR22MDD	0.22	50V	5 x 11 x 2	.20	.126	.088	.056
609625CK	UVZ1HR33MDD	0.33	50V	5 x 11 x 2	.20	.126	.088	.056
609633CK	UVZ1HR47MDD	0.47	50V	5 x 11 x 2	.20	.126	.088	.056
158481CK	RO.47B100	0.47	100V	5 x 11 x 2	*	.05	.04	.03
607831CK	UPW1H010MDD	1	50V	5 x 11 x 2	*	.119	.088	.072
330771CK	RB1/50	1	50V	5 x 11 x 2	*	.056	.046	.036
608323CK	UPW2A010MDD	1	100V	5 x 11 x 2	.20	.134	.096	.072
158490CK	R1B100	1	100V	5 x 11 x 2	*	.06	.05	.04
330835CK	RB1/160	1	160V	5 x 11 x 2	*	.078	.067	.055
609895CK	UVZ2D010MED	1	200V	6.3 x 11 x 2.5	.23	.16	.114	.079
609959CK	UVZ2E010MED	1	250V	6.3 x 11 x 2.5	.23	.166	.112	.072
610028CK	UVZ2W010MPD	1	450V	8 x 11.5 x 3.5	.29	.213	.152	.104
609561CK	UVZ1H2R2MDD	2.2	50V	5 x 11 x 2	*	.103	.088	.058
607937CK	UPW1H2R2MDD	2.2	50V	5 x 11 x 2	*	.119	.088	.072
609772CK	UVZ2A2R2MDD	2.2	100V	5 x 11 x 2	.20	.126	.088	.056
608366CK	UPW2A2R2MDD	2.2	100V	5 x 11 x 2	.20	.134	.096	.08
609844CK	UVZ2C2R2MED	2.2	160V	6.3 x 11 x 2.5	.23	.158	.112	.072
609924CK	UVZ2D2R2MED	2.2	200V	6.3 x 11 x 2.5	.26	.182	.128	.088
609983CK	UVZ2E2R2MED	2.2	250V	6.3 x 11 x 2.5	.30	.205	.144	.096
610052CK	UVZ2W2R2MPD	2.2	450V	10 x 12.5 x 5	.37	.277	.20	.144
607961CK	UPW1H3R3MDD	3.3	50V	5 x 11 x 2	*	.119	.088	.072
609799CK	UVZ2A3R3MDD	3.3	100V	5 x 11 x 2	.20	.134	.096	.064
608382CK	UPW2A3R3MDD	3.3	100V	5 x 11 x 2	.24	.166	.12	.096
609861CK	UVZ2C3R3MED	3.3	160V	6.3 x 11 x 2.5	.30	.198	.144	.102
609932CK	UVZ2D3R3MED	3.3	200V	6.3 x 11 x 2.5	.30	.205	.144	.096
610001CK	UVZ2E3R3MPD	3.3	250V	8 x 11.5 x 3.5	.30	.205	.144	.096
610079CK	UVZ2W3R3MPD	3.3	450V	10 x 16 x 5	.44	.332	.24	.17
609596CK	UVZ1H3R3MDD	3.6	50V	5 x 11 x 2	.20	.126	.088	.056
607996CK	UPW1H4R7MDD	4.7	50V	5 x 11 x 2	*	.119	.088	.072
330780CK	RB4.7/50	4.7	50V	5 x 11 x 2	*	.056	.046	.036
609810CK	UVZ2A4R7MDD	4.7	100V	5 x 11 x 2	.20	.134	.096	.064
608887CK	UVZ2C4R7MED	4.7	160V	6.3 x 11 x 2.5	.30	.205	.144	.096
609941CK	UVZ2D4R7MPD	4.7	200V	8 x 11.5 x 3.5	.30	.229	.168	.12
330851CK	RB4.7/250	4.7	250V	8 x 11 x 3.5	*	.14	.122	.105
610087CK	UVZ2W4R7MPD	4.7	450V	10 x 20 x 5	.54	.403	.304	.219
330691CK	RB10/16	10	16V	5 x 11 x 2	*	.039	.034	.029
607849CK	UPW1H100MDD	10	50V	5 x 11 x 2	.20	.134	.096	.072
330798CK	RB10/50	10	50V	5 x 11 x 2	*	.056	.046	.036
609641CK	UVZ1J100MDD	10	63V	5 x 11 x 2	*	.126	.096	.064

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
199013CK	R3300J/50	3300	50V	18 x 35 x 7.5	\$2.15	\$1.94	\$1.55	\$1.16
608876CK	UVR0J472MHD	4700	6.3V	12.5 x 20 x 5	.72	.545	.408	.30
608930CK	UVR1A472MHD	4700	10V	12.5 x 25 x 5	.87	.65	.488	.348
198900CK	R4700J/16	4700	16V	16 x 25 x 7.5	.79	.71	.64	.58
93851CK	R4700/25	4700	25V	16 x 31 x 7.5	1.10	.94	.78	.61
199005CK	R4700J/35	4700	35V	18 x 35 x 7.5	1.35	1.25	1.15	1.05
163302CK	R4700/50	4700	50V	22 x 42 x 10	2.25	1.99	1.67	1.45
608884CK	UVR0J682MHD	6800	6.3V	12.5 x 25 x 5	.92	.70	.528	.381
31511CK	R6800/16	6800	16V	16 x 26 x 7.5	1.10	.87	.76	.66
198934CK	R6800J/25	6800	25V	18 x 35 x 7.5	1.59	1.43	1.14	.86
608817CK	UVR0J103MHD	10,000	6.3V	16 x 25 x 7.5	1.30	.98	.74	.531
608892CK	UVR1A103MHD	10,000	10V	16 x 35.5 x 7.5	1.48	1.13	.86	.62
608948CK	UVR1C103MHD	10,000	16V	18 x 35.5 x 7.5	1.59	1.18	.90	.64
608825CK	UVR0J153MHD	15,000	6.3V	16 x 35.5 x 7.5	1.55	1.15	.87	.62
608905CK	UVR1A153MHD	15,000	10V	18 x 35.5 x 7.5	1.59	1.19	.90	.64
608850CK	UVR0J223MHD	22,000	6.3V	18 x 40 x 7.5	1.59	1.19	.91	.68

Passives

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242



RoHS Compliant Product
RoHS Also Available



Color Code Legend
New Sale Lower\$ QtySave

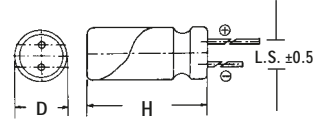
JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA;
Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



105°C – HT Type General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
607970CK	UPW1H470MED	47	50V	6.3 x 11 x 2.5	\$.27	\$.205	\$.144	\$.112
607988CK	UPW1H471MHD	47	50V	6.3 x 11 x 2.5	.80	.59	.448	.348
330819CK	RB47/50	47	50V	6 x 11 x 2.5	*.102	.08	.057	
608139CK	UPW1J470MPD	47	63V	8 x 11.5 x 3.5	.30	.229	.16	.12
609801CK	UVZ2A470MPD	47	100V	10 x 12.5 x 5	.35	.261	.184	.136
608391CK	UPW2A470MPD	47	100V	10 x 16 x 5	.47	.356	.264	.219
607161CK	UHE2A470MPD	47	100V	10 x 12.5 x 5	.21	.166	.128	.104
609879CK	UVZ2C470MHD	47	160V	12.5 x 20 x 5	.59	.435	.32	.235
610010CK	UVZ2E470MHD	47	250V	12.5 x 25 x 5	.86	.65	.488	.348
607822CK	UPW1E560MDD	56	25V	5 x 11 x 2	.24	.166	.12	.096
608008CK	UPW1H560MED	56	50V	6.3 x 15 x 2.5	.28	.205	.152	.12
606862CK	UHE1H560MED	56	50V	6.3 x 11 x 2.5	*.142	.112	.088	
608155CK	UPW1J680MPD	68	63V	8 x 11.5 x 3.5	.39	.284	.208	.162
607507CK	UPW1A820MDD	82	10V	5 x 11 x 2	.20	.134	.096	.08
607671CK	UPW1C820MDD	82	16V	5 x 11 x 2	.23	.15	.112	.088
607005CK	UHE1J820MPD	82	63V	8 x 15 x 3.5	.27	.221	.168	.136
609300CK	UVZ0J101MDD	100	6.3V	5 x 11 x 2	*.134	.096	.064	
609414CK	UVZ1A101MDD	100	10V	5 x 11 x 2	*.119	.088	.056	
330704CK	RB100/16	100	16V	6 x 11 x 2.5	*.067	.055	.044	
606686CK	UHE1E101MED	100	25V	6.3 x 11 x 2.5	*.142	.112	.088	
330739CK	RB100/25	100	25V	6 x 11 x 2.5	*.067	.057	.048	
607700CK	UPW1E101MED	100	25V	6.3 x 11 x 2.5	.27	.205	.152	.104
330747CK	RB100/35	100	35V	8 x 11 x 3.5	*.084	.08	.074	
158393CK	R100B50	100	50V	8 x 11 x 3.5	*.09	.07	.055	
607857CK	UPW1H101MPD	100	50V	8 x 11.5 x 3.5	.39	.284	.208	.162
606774CK	UHE1H101MPD	100	50V	8 x 11.5 x 3.5	.25	.205	.152	.128
608024CK	UPW1J101MPD	100	63V	10 x 12.5 x 5	.43	.316	.232	.194
608032CK	UPW1J101MPD6	100	63V	8 x 15 x 3.5	.43	.316	.232	.194
330827CK	RB100/63	100	63V	10 x 13 x 5	*.149	.132	.114	
609748CK	UVZ2A101MPD	100	100V	10 x 20 x 5	.49	.363	.264	.194
609916CK	UVZ2D101MHD	100	200V	16 x 31.5 x 7.5	1.45	1.10	.83	.59
609676CK	UVZ2E101MHD	100	250V	16 x 31.5 x 7.5	1.55	1.17	.89	.67
607523CK	UPW1C121MED	120	16V	6.3 x 11 x 2.5	.25	.174	.12	.096
606619CK	UHE1C121MED	120	16V	6.3 x 11 x 2.5	*.111	.08	.072	
607726CK	UPW1E121MED	120	25V	6.3 x 12 x 2.5	.28	.205	.152	.12
606791CK	UHE1H121MPD	120	50V	8 x 15 x 3.5	.27	.221	.168	.136
606900CK	UHE1J121MPD	120	63V	8 x 20 x 3.5	.33	.269	.20	.17
607101CK	UHE2A121MPD	120	100V	10 x 31.5 x 5	.36	.284	.216	.186
608198CK	UPW1V151MPD	150	35V	8 x 11.5 x 3.5	.30	.229	.16	.12
607048CK	UHE1V151MPD	150	35V	8 x 11.5 x 3.5	.20	.158	.12	.104
606803CK	UHE1H151MPD	150	50V	10 x 12.5 x 5	.27	.221	.168	.136
608340CK	UPW2A151MHD	150	100V	12.5 x 25 x 5	1.07	.81	.61	.47
607540CK	UPW1C181MED	180	16V	6.3 x 12 x 2.5	.26	.19	.136	.104
207845CK	R180/16	180	16V	6 x 15 x 2.5	*.034	.031	.028	
607881CK	UPW1H181MPD	180	50V	8 x 20 x 3.5	.47	.356	.264	.219
608075CK	UPW1J181MHD6	180	63V	12.5 x 15 x 5	.68	.514	.376	.292
606934CK	UHE1J181MPD	180	63V	10 x 20 x 5	.44	.356	.272	.227
607128CK	UHE2A181MHD	180	100V	12.5 x 25 x 5	.44	.356	.272	.227
609334CK	UVZ0J221MDD	220	6.3V	5 x 11 x 2	.22	.142	.104	.072
607259CK	UPW0J221MED	220	6.3V	6.3 x 11 x 2.5	.25	.174	.12	.096
607419CK	UPW1A221MDD	220	10V	6.3 x 11 x 2.5	.26	.19	.136	.104
606555CK	UHE1A221MED	220	10V	6.3 x 11 x 2.5	*.134	.104	.088	
311757CK	R220B10	220	10V	6 x 11 x 2.5	.36	.33	.30	.27
609481CK	UVZ1C221MED	220	16V	6.3 x 11 x 2.5	.25	.19	.136	.096
158262CK	R220B25	220	25V	8 x 11 x 3.5	*.12	.09	.07	
608201CK	UPW1V221MPD	220	35V	10 x 12.5 x 5	.44	.324	.232	.194
608219CK	UPW1V221MPD6	220	35V	8 x 15 x 3.5	.44	.324	.232	.194
330755CK	RB220/35S	220	35V	8 x 16 x 3.5	*.149	.132	.114	

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
607902CK	UPW1H221MPD	220	50V	10 x 16 x 5	\$.47	\$.356	\$.264	\$.219
606820CK	UHE1H221MPD	220	50V	10 x 16 x 5	.33	.269	.20	.17
158406CK	R220B50	220	50V	10 x 12 x 5	.34	.31	.24	.18
609668CK	UVZ1J221MPD	220	63V	10 x 16 x 5	.55	.403	.296	.219
608091CK	UPW1J221MPD6	220	63V	10 x 25 x 5	.83	.62	.456	.389
606942CK	UHE1J221MPD	220	63V	10 x 25 x 5	.44	.356	.272	.227
609764CK	UVZ2A221MHD	220	100V	12.5 x 25 x 5	.83	.62	.464	.34
608358CK	UPW2A221MHD	220	100V	16 x 25 x 7.5	1.17	.88	.66	.56
609836CK	UVZ2C221MHD	220	160V	16 x 35.5 x 7.5	1.49	1.14	.87	.65
606951CK	UHE1J271MPD	270	63V	10 x 31.5 x 5	.59	.474	.36	.308
609369CK	UVZ0J331MED	330	6.3V	6.3 x 11 x 2.5	.26	.174	.128	.088
607275CK	UPW0J331MED	330	6.3V	6.3 x 11 x 2.5	.30	.205	.144	.112
606483CK	UHE0J331MED	330	6.3V	6.3 x 11 x 2.5	*.126	.096	.08	
606651CK	UHE1C331MPD	330	16V	8 x 11.5 x 5	.25	.205	.152	.128
607566CK	UPW1C331MPD	330	16V	8 x 11.5 x 3.5	.39	.284	.208	.162
330712CK	RB330/16	330	16V	8 x 11 x 3.5	*.102	.08	.057	
609537CK	UVZ1E331MPD	330	25V	10 x 12.5 x 5	.29	.213	.16	.104
607777CK	UPW1E331MPD6	330	25V	8 x 15 x 3.5	.40	.292	.208	.17
606707CK	UHE1E331MPD	330	25V	8 x 15 x 3.5	.24	.19	.144	.12
609721CK	UVZ1V331MPD	330	35V	10 x 12.5 x 5	.34	.253	.176	.128
608251CK	UPW1V331MPD	330	35V	10 x 16 x 5	.54	.403	.296	.243
608260CK	UPW1V331MPD6	330	35V	8 x 20 x 3.5	.54	.403	.296	.243
607081CK	UHE1V331MPD	330	35V	10 x 16 x 5	.38	.308	.232	.194
607953CK	UPW1H331MPD	330	50V	10 x 20 x 5	.64	.482	.36	.292
606846CK	UHE1H331MPD	330	50V	10 x 25 x 5	.44	.356	.272	.227
609692CK	UVZ1J331MPD	330	63V	10 x 20 x 5	.62	.466	.344	.243
608112CK	UPW1J331MHD	330	63V	12.5 x 20 x 5	.84	.62	.456	.365
607136CK	UHE2A331MHD	330	100V	12.5 x 40 x 5	1.21	.96	.72	.62
609852CK	UVZ2C331MHD	330	160V	18 x 40 x 7.5	1.89	1.42	1.08	.81
608294CK	UPW1V391MPD	390	35V	10 x 16 x 5	.68	.514	.376	.292
608121CK	UPW1J391MHD6	390	63V	18 x 15 x 7.5	.97	.73	.544	.437
606977CK	UHE1J391MHD	390	63V	18 x 15 x 7.5	.69	.56	.424	.365
607152CK	UHE2A391MHD	390	100V	16 x 31.5 x 7.5	1.23	.97	.73	.63
609385CK	UVZ0J471MED	470	6.3V	6.3 x 11 x 2.5	.25	.19	.136	.096
607460CK	UPW1A471MPD	470	10V	8 x 11.5 x 3.5	.38	.277	.20	.144
606571CK	UHE1A471MPD	470	10V	8 x 11.5 x 3.5	.24	.198	.152	.128
607603CK	UPW1C471MPD	470	16V	10 x 12.5 x 5	.41	.30	.216	.17
607611CK	UPW1C471MPD6	470	16V	8 x 15 x 3.5	.41	.30	.216	.17
158203CK	R470B16	470	16V	8 x 11 x 3.5	*.12	.10	.09	
606678CK	UHE1C471MPD	470	16V	8 x 15 x 3.5	.26	.205	.16	.136
158289CK	R470B25	470	25V	10 x 15 x 3.5	*.15	.12	.10	
606731CK	UHE1E471MPD	470	25V	8 x 20 x 3.5	.38	.308	.232	.194
606740CK	UPW1E471MPD6	470	25V	10 x 16 x 5	.38	.308	.232	.194
607793CK	UPW1E471MPD	470	25V	10 x 16 x 5	.53	.403	.296	.235
607806CK	UPW1E471MPD6	470	25V	8 x 20 x 3.5	.53	.403	.296	.235
608307CK	UPW1V471MPD	470	35V	10 x 20 x 5	.69	.514	.384	.332
330763CK	RB470/35	470	35V	10 x 15 x 5	.28	.244	.219	.152
609609CK	UVZ1H471MHD	470	50V	12.5 x 20 x 5	.82	.62	.464	.324
607988CK	UPW1H471MHD	470	50V	12.5 x 20 x 5	.80	.59	.448	.348
606854CK	UHE1H471MPD	470	50V	10 x 31.5 x 5	.59	.474	.36	.30
608147CK	UPW1J471MHD6	470	63V	12.5 x 31.5 x 5	.97	.73	.55	.437
606985CK	UHE1J471MHD	470	63V	12.5 x 31.5 x 5	.72	.58	.44	.373
158465CK	R470B63	470	63V	12 x 20 x 5	.39	.333	.296	.246
608016CK	UPW1H561MHD	560	50V	12.5 x 25 x 5	.97	.73	.55	.437
606504CK	UHE0J681MPD	680	6.3V	8 x 11.5 x 3.5	.24	.198	.152	.128
606598CK	UHE1A681MPD	680	10V	8 x 15 x 3.5	.25	.205	.152	.128
607654CK	UPW1C681MPD	680	16V	10 x 16 x 5	.51	.387	.288	.235
607662CK	UPW1C681MPD6	680	16V	8 x 20 x 3.5	.51	.387	.288	.235
606766CK	UHE1E681MPD	680	25V	10 x 20 x 5	.44	.356	.272	.227

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

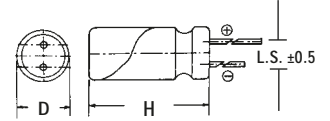
Details on page 1.

JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)



























































Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater


























































† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: K/KS/SU



105°C – HT Type General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
608315CK	UPW1V681MHD 	680	35V	12.5 x 20 x 5	\$.84	\$.60	\$.456	\$.373
607099CK	UHE1V681MPD 	680	35V	10 x 31.5 x 5	.57	.458	.352	.292
606871CK	UHE1H681MHD 	680	50V	12.5 x 31.5 x 5	.72	.58	.44	.373
608163CK	UPW1J681MHD 	680	63V	16 x 25 x 5	1.17	.88	.66	.56
606993CK	UHE1J681MHD 	680	63V	12.5 x 40 x 5	.88	.68	.518	.454
607179CK	UHE2A681MHD 	680	100V	18 x 35.5 x 7.5	1.39	1.09	.83	.71
607355CK	UPWQJ821MPD 	820	6.3V	8 x 15 x 3.5	.39	.284	.208	.162
607689CK	UPW1C821MPD 	820	16V	10 x 20 x 5	.60	.45	.336	.292
607013CK	UHE1J821MHD 	820	63V	16 x 31.5 x 7.5	1.23	.97	.73	.63
606432CK	UHEQJ102MPD 	1000	6.3V	8 x 15 x 3.5	*	.142	.112	.096
607187CK	UPWQJ102MPD 	1000	6.3V	10 x 12.5 x 5	.43	.316	.232	.194
609422CK	UVZ1A102MPD 	1000	10V	10 x 12.5 x 5	.42	.316	.24	.17
607363CK	UPW1A102MPD6 	1000	10V	8 x 20 x 3.5	.48	.356	.256	.194
606512CK	UHE1A102MPD 	1000	10V	8 x 20 x 3.5	.34	.269	.208	.17
606521CK	UHE1A102MPD6 	1000	10V	10 x 16 x 5	.34	.269	.208	.17
609465CK	UVZ1C102MPD 	1000	16V	10 x 16 x 5	.50	.316	.28	.203
607515CK	UPW1C102MPD 	1000	16V	10 x 20 x 5	.60	.45	.336	.292
606601CK	UHE1C102MPD 	1000	16V	10 x 20 x 5	.43	.348	.264	.219
330721CK	RB1000/16 	1000	16V	10 x 20 x 5	.23	.216	.19	.171
158297CK	R1000B25 	1000	25V	10 x 20 x 5	.35	.29	.25	.19
607718CK	UPW1E102MHD 	1000	25V	12.5 x 20 x 5	.81	.60	.44	.348
608171CK	UPW1V102MHD 	1000	35V	12.5 x 25 x 5	.94	.70	.528	.454
607021CK	UHE1V102MHD 	1000	35V	12.5 x 25 x 5	.69	.56	.424	.365
158377CK	R1000B35 	1000	35V	10 x 20 x 5	.49	.45	.40	.35
609553CK	UVZ1H102MHD 	1000	50V	12.5 x 25 x 5	.79	.58	.432	.316
607865CK	UPW1H102MHD 	1000	50V	16 x 25 x 7.5	1.17	.88	.66	.56
606782CK	UHE1H102MHD 	1000	50V	12.5 x 40 x 5	.87	.68	.518	.454
608041CK	UPW1J102MHD 	1000	63V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606889CK	UHE1J102MHD 	1000	63V	12.5 x 40 x 5	1.23	.97	.73	.63
606897CK	UHE1J102MHD6 	1000	63V	18 x 31.5 x 7.5	1.23	.97	.73	.63
609756CK	UVZ2A102MHD 	1000	100V	18 x 40 x 7.5	1.89	1.44	1.10	.82
606459CK	UHEQJ122MPD 	1200	6.3V	8 x 20 x 3.5	.30	.245	.184	.152
607216CK	UPWQJ122MPD 	1200	6.3V	8 x 20 x 3.5	.44	.324	.232	.178
607224CK	UPWQJ122MPD6 	1200	6.3V	10 x 16 x 5	.47	.356	.264	.211
607380CK	UPW1A122MPD 	1200	10V	10 x 20 x 5	.53	.403	.296	.235
606547CK	UHE1A122MPD 	1200	10V	10 x 20 x 5	.38	.308	.232	.194
606627CK	UHE1C122MPD 	1200	16V	10 x 25 x 5	.39	.316	.24	.203
606694CK	UHE1E122MHD 	1200	25V	18 x 15 x 7.5	.64	.521	.392	.332
608180CK	UPW1V122MHD 	1200	35V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607030CK	UHE1V122MHD 	1200	35V	12.5 x 31.5 x 5	.88	.68	.518	.454
606918CK	UHE1J122MHD 	1200	63V	16 x 40 x 7.5	1.39	1.09	.83	.71
607232CK	UPWQJ152MPD 	1500	6.3V	10 x 20 x 5	.47	.356	.264	.219
607398CK	UPW1A152MPD6 	1500	10V	10 x 25 x 5	.55	.419	.304	.235
607531CK	UPW1C152MHD 	1500	16V	12.5 x 20 x 5	.84	.62	.456	.365
606635CK	UHE1C152MPD 	1500	16V	10 x 31.5 x 5	.57	.458	.352	.30
607734CK	UHE1E152MHD 	1500	25V	16 x 25 x 7.5	.94	.70	.528	.429
607742CK	UPW1E152MHD6 	1500	25V	12.5 x 25 x 5	.94	.70	.528	.429
607873CK	UPW1H152MHD 	1500	50V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606467CK	UHEQJ182MHD 	1800	6.3V	12.5 x 15 x 5	.35	.284	.216	.186
607751CK	UPW1E182MHD 	1800	25V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607056CK	UHE1V182MHD 	1800	35V	12.5 x 40 x 5	.92	.71	.54	.47
607267CK	UPWQJ222MPD6 	2200	6.3V	10 x 25 x 5	.62	.466	.344	.292
609342CK	UVZQJ222MPD 	2200	6.3V	10 x 20 x 5	.51	.356	.248	.203
606475CK	UHEQJ222MPD 	2200	6.3V	10 x 25 x 5	.43	.348	.264	.219
607427CK	UPW1A222MHD 	2200	10V	12.5 x 20 x 5	.79	.59	.44	.348
606563CK	UHE1A222MPD 	2200	10V	10 x 31.5 x 5	.55	.442	.28	.20
609490CK	UVZ1C222MHD 	2200	16V	12.5 x 20 x 5	.80	.59	.448	.324
606643CK	UHE1C222MHD 	2200	16V	12.5 x 25 x 5	.69	.56	.424	.365

Part No.	Cross Ref. No.	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609705CK	UVZ1V222MHD 	2200	35V	16 x 25 x 7.5	\$1.34	\$1.02	\$.76	\$.543
608227CK	UPW1V222MHD 	2200	35V	18 x 25 x 7.5	1.38	1.06	.81	.64
608235CK	UPW1V222MHD6 	2200	35V	8 x 15 x 3.5	1.38	1.06	.81	.64
607064CK	UHE1V222MHD 	2200	35V	16 x 31.5 x 7.5	1.24	.98	.73	.64
607911CK	UPW1H222MHD 	2200	50V	18 x 35.5 x 7.5	1.95	1.46	1.12	.91
606838CK	UHE1H222MHD6 	2200	50V	18 x 35.5 x 7.5	1.49	1.14	.87	.83
158431CK	R2200B50 	2200	50V	16 x 35 x 7.5	.99	.89	.71	.53
609676CK	UVZ1J222MHD 	2200	63V	18 x 35.5 x 7.5	1.65	1.26	.96	.73
607435CK	UPW1A272MHD 	2700	10V	12.5 x 25 x 5	.82	.61	.448	.365
607558CK	UPW1C272MHD 	2700	16V	16 x 31.5 x 7.5	1.22	.92	.70	.56
607769CK	UPW1E272MHD 	2700	25V	16 x 25 x 7.5	1.38	1.06	.81	.64
609377CK	UVZQJ332MPD 	3300	6.3V	10 x 20 x 5	.56	.419	.312	.227
607283CK	UPWQJ332MHD 	3300	6.3V	12.5 x 20 x 5	.82	.61	.448	.356
606491CK	UHEQJ332MHD 	3300	6.3V	12.5 x 20 x 5	.57	.458	.352	.292
609449CK	UVZ1A332MHD 	3300	10V	12.5 x 20 x 5	.82	.59	.448	.324
607443CK	UPW1A332MHD6 	3300	10V	12.5 x 31.5 x 5	.69	.521	.384	.292
607574CK	UPW1C332MHD 	3300	16V	16 x 25 x 7.5	1.26	.95	.71	.543
607582CK	UPW1C332MHD6 	3300	16V	12.5 x 35.5 x 5	1.26	.95	.71	.543
606660CK	UHE1C332MHD 	3300	16V	12.5 x 35.5 x 5	.92	.71	.54	.47
607785CK	UPW1E332MHD6 	3300	25V	18 x 25 x 7.5	1.45	1.10	.84	.67
606715CK	UHE1E332MHD 	3300	25V	16 x 31.5 x 7.5	1.24	.98	.73	.64
608278CK	UPW1V332MHD 	3300	35V	18 x 35.5 x 7.5	1.79	1.35	1.03	.84
609588CK	UVZ1H332MHD 	3300	50V	18 x 35.5 x 7.5	2.15	1.60	1.24	.92
607291CK	UPWQJ392MHD 	3900	6.3V	12.5 x 25 x 5	.91	.68	.52	.446
607451CK	UPW1A392MHD 	3900	10V	12.5 x 35.5 x 5	.93	.70	.52	.437
607591CK	UPW1C392MHD 	3900	16V	16 x 25 x 7.5	1.44	1.10	.83	.64
609393CK	UVZQJ472MHD 	4700	6.3V	12.5 x 20 x 5	.83	.62	.472	.34
607304CK	UPWQJ472MHD 	4700	6.3V	16 x 25 x 7.5	.93	.70	.52	.437
607312CK	UPWQJ472MHD6 	4700	6.3V	12.5 x 31.5 x 5	.93	.70	.52	.437
607478CK	UPW1A472MHD 	4700	10V	16 x 25 x 7.5	1.14	.86	.64	.51
606580CK	UHE1A472MHD 	4700	10V	12.5 x 35.5 x 5	.88	.68	.518	.454
609511CK	UVZ1C472MHD 	4700	16V	16 x 25 x 7.5	1.46	1.14	.81	.61
607620CK	UPW1C472MHD 	4700	16V	16 x 31.5 x 7.5	1.44	1.10	.83	.64
607638CK	UPWQJ472MHD6 	4700	16V	18 x 25 x 7.5	1.44	1.10	.83	.64
606758CK	UHE1E472MHD 	4700	25V	16 x 40 x 7.5	1.55	1.19	.91	.78
607814CK	UPW1E472MHD 	4700	25V	18 x 35.5 x 7.5	1.46	1.12	.85	.75
607321CK	UPWQJ562MHD 	5600	6.3V	12.5 x 35.5 x 5	1.17	.88	.66	.56
607646CK	UPW1C562MHD 	5600	16V	16 x 35.5 x 7.5	1.55	1.16	.88	.70
609406CK	UVZQJ682MHD 	6800	6.3V	12.5 x 25 x 5	1.13	.86	.64	.462
607339CK	UPWQJ682MHD 	6800	6.3V	16 x 25 x 7.5	1.19	.90	.68	.55
607347CK	UPWQJ682MHD6 	6800	6.3V	18 x 20 x 7.5	1.19	.90	.68	.55
609457CK	UPW1A682MHD 	6800	10V	16 x 25 x 7.5	1.49	1.14	.87	.62
607486CK	UPW1A682MHD 	6800	10V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
607494CK	UPW1A682MHD6 	6800	10V	18 x 25 x 7.5	1.55	1.16	.88	.70
609529CK	UVZ1C682MHD 	6800	16V	16 x 35.5 x 7.5	1.79	1.35	1.03	.76
607697CK	UPWQJ822MHD 	8200	16V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609318CK	UVZQJ103MHD 	10,000	6.3V	16 x 25 x 7.5	1.41	1.08	.83	.62
606441CK	UHEQJ103MHD6 	10,000	6.3V	18 x 15 x 7.5	1.30	1.02	.77	.66
607195CK	UPWQJ103MHD 	10,000	6.3V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
607208CK	UPWQJ103MHD6 	10,000	6.3V	18 x 25 x 7.5	1.55	1.16	.88	.70
607371CK	UPW1A103MHD 	10,000	10V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
606539CK	UPW1E103MHD 	10,000	10V	16 x 40 x 7.5	1.45	1.11	.85	.82
609473CK	UVZ1C103MHD 	10,000	16V	18 x 35.5 x 7.5	1.89	1.44	1.09	.82
609326CK	UVZQJ153MHD 	15,000	6.3V	16 x 35.5 x 7.5	1.79	1.35	1.03	.73
607241CK	UPWQJ153MHD 	15,000	6.3V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609431CK	UVZ1A153MHD 	15,000	10V	18 x 35.5 x 7.5	1.89	1.44	1.09	.82
609351CK	UVZQJ223MHD 	22,000	6.3V	18 x 40 x 7.5	2.09	1.58	1.22	.92

Electrolytic Capacitors (Continued)

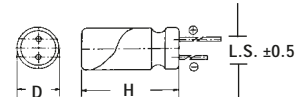


Color Code Legend			
New	Sale	Lower\$	QtySave



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

85°C – General Purpose

Other Manufacturers — Great Deals*

* Prepackaged: order in increments of 10, 100 or 500								
Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
29831CK	R1/50 ⊕	1	50V	5 x 11 x 2.0	*	\$0.057	\$0.048	\$0.038
93729CK	R2.2/50 ⊕	2.2	50V	5 x 11 x 2.0	*	.034	.03	.023
135183CK	R3.3/50 ⊕	3.3	50V	5 x 11 x 2.0	*	.032	.028	.022
31000CK	R4.7/50 ⊕	4.7	50V	5 x 11 x 2.0	*	.038	.033	.026
29891CK	R10/50 ⊕	10	50V	5 x 11 x 2.0	*	.06	.05	.04
93737CK	R22/50 ⊕	22	50V	5 x 11 x 2.0	*	.06	.05	.035
93745CK	R33/50 ⊕	33	50V	5 x 11 x 2.0	*	.05	.045	.04
135301CK	R47/10 ⊕	47	10V	5 x 12 x 2.0	*	.036	.027	.02
93753CK	R47/25 ⊕	47	25V	5 x 11 x 2.0	*	.048	.033	.026
31114CK	R47/50 ⊕	47	50V	6 x 11 x 2.5	*	.06	.05	.045
207811CK	R100/10 ⊕	100	10V	5 x 11 x 2.0	*	.072	.054	.045
93761CK	R100/25 ⊕	100	25V	6 x 11 x 2.5	*	.07	.05	.035
29962CK	R100/50 ⊕	100	50V	8 x 11 x 3.5	*	.07	.06	.05
30496CK	R220/25 ⊕	220	25V	8 x 11 x 3.5	*	.08	.06	.05
93770CK	R220/35 ⊕	220	35V	10 x 12 x 5.0	*	.09	.08	.07

* Capacitor dimensions and styles may vary.

* Prepackaged: order in increments of 10, 100 or 500								
	Cross	Value		Size (mm)	Pricing			
Part No.	Ref. No.	(μF)	Voltage	D x H x L.S.	1	10	100	500
93778CK	R220/50	220	50V	10 x 12 x 5.0	*	\$1.15	\$1.12	\$1.09
198899CK	R330J/16	330	16V	8 x 11 x 3.5	*	.073	.065	.049
93796CK	R330/25	330	25V	10 x 12 x 5.0	*	.126	.107	.08
93809CK	R470/16	470	16V	8 x 11 x 3.5	*	.099	.095	.089
31181CK	R470/25	470	25V	10 x 12 x 5.0	*	.12	.10	.09
395591CK	R470825-OM	470	25V	10 x 12 x 5.0	*	.12	.11	.09
93817CK	R470/35	470	35V	10 x 16 x 5.0	*	.153	.135	.117
93825CK	R470/50	470	50V	12 x 20 x 5.0	.29	.27	.19	.13
30015CK	R1000/16	1000	16V	10 x 16 x 5.0	*	.178	.156	.133
93833CK	R1000/25	1000	25V	10 x 20 x 5.0	.41	.32	.29	.16
93841CK	R1000/50	1000	50V	12 x 25 x 5.0	.52	.46	.41	.34
133145CK	R2200/16	2200	16V	12 x 20 x 5.0	.32	.28	.24	.22
30533CK	R2200/25	2200	25V	12 x 25 x 5.0	.55	.49	.40	.30
30891CK	R3300/25	3300	25V	16 x 25 x 7.5	.71	.65	.49	.43
93850CK	R4700/25	4700	25V	16 x 31 x 7.5	.99	.89	.80	.66
163301CK	R4700/50	4700	50V	22 x 42 x 10.0	1.99	1.79	1.50	1.31
31510CK	R6800/16	6800	16V	16 x 35 x 7.5	1.09	.98	.85	.70

* Capacitor dimensions and styles may vary.

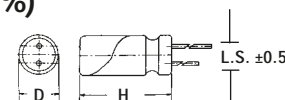


Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

85°C – General Purpose



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330931CK	RN0.47/50	0.47	50V	5 x 11 x 2.0	\$0.28	\$0.252	\$0.19	\$0.152
330940CK	RN1/50	1	50V	5 x 11 x 2.0	*	.159	.085	.076
331053CK	RN1/100	1	100V	5 x 11 x 2.0	*	.169	.086	.076
330958CK	RN2.2/50	2.2	50V	5 x 11 x 2.0	*	.159	.085	.076
331029CK	RN2.2/63	2.2	63V	5 x 11 x 2.0	.28	.243	.219	.197
331061CK	RN2.2/100	2.2	100V	5 x 11 x 2.0	*	.169	.086	.076
330966CK	RN3.3/50	3.3	50V	5 x 11 x 2.0	*	.171	.094	.086
331070CK	RN3.3/100	3.3	100V	5 x 11 x 2.0	*	.189	.095	.086
330907CK	RN4.7/25	4.7	25V	5 x 11 x 2.0	.28	.243	.219	.197
330974CK	RN4.7/50	4.7	50V	5 x 11 x 2.0	*	.171	.094	.086
331088CK	RN4.7/100	4.7	100V	6 x 11 x 2.5	*	.188	.095	.086
330915CK	RN10/25	10	25V	5 x 11 x 2.0	.28	.243	.219	.197

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330982CK	RN10/50	10	50V	8 x 11 x 3.5	\$0.22	\$0.198	\$0.114	\$0.105
331096CK	RN10/100	10	100V	8 x 11 x 3.5	.22	.198	.114	.105
330878CK	RN22/16	22	16V	5 x 11 x 2.0	.31	.279	.219	.181
330923CK	RN22/25	22	25V	5 x 11 x 2.0	.32	.288	.259	.233
330991CK	RN22/50	22	50V	6 x 11 x 2.5	.33	.31	.171	.162
331037CK	RN22/63	22	63V	8 x 11 x 3.5	.45	.409	.368	.331
331109CK	RN22/100	22	100V	10 x 15 x 5.0	.33	.297	.171	.162
330886CK	RN47/16	47	16V	6 x 11 x 2.5	.33	.297	.267	.241
331002CK	RN47/50	47	50V	8 x 11 x 3.5	.46	.414	.314	.285
331117CK	RN47/100	47	100V	10 x 20 x 5.0	.46	.414	.314	.285
330894CK	RN100/16	100	16V	8 x 11 x 3.5	.45	.405	.365	.328
331011CK	RN100/50	100	50V	10 x 17 x 5.0	.69	.621	.467	.428
331045CK	RN220/63	220	63V	5 x 11 x 2.0	.69	.62	.465	.428

85°C – Non-Polarized High-Frequency (Horizontal Deflection)

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
331125CK	RN1/25S	1	25V	8 x 11 x 3.5	\$0.37	\$0.348	\$0.186	\$0.166
331205CK	RN1/50S	1	50V	8 x 11 x 3.5	.37	.348	.186	.166
331133CK	RN2.2/25S	2.2	25V	8 x 11 x 3.5	.37	.348	.186	.166
331213CK	RN2.2/50S	2.2	50V	8 x 11 x 3.5	.37	.348	.186	.166
331141CK	RN3.3/25S	3.3	25V	8 x 11 x 3.5	.37	.348	.186	.166
331221CK	RN3.3/50S	3.3	50V	8 x 11 x 3.5	.37	.348	.186	.166
331150CK	RN4.7/25S	4.7	25V	8 x 11 x 3.5	.37	.348	.186	.166
331230CK	RN4.7/50S	4.7	50V	8 x 11 x 3.5	.37	.348	.186	.166

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
331168CK	RN5.6/25S	5.6	25V	8 x 11 x 3.5	\$0.37	\$0.348	\$0.186	\$0.166
331248CK	RN5.6/50S	5.6	50V	8 x 14 x 3.5	.45	.423	.226	.202
331176CK	RN6.8/25S	6.8	25V	8 x 11 x 3.5	.37	.348	.186	.166
331256CK	RN6.8/50S	6.8	50V	8 x 14 x 3.5	.45	.423	.226	.202
331184CK	RN8.2/25S	8.2	25V	8 x 14 x 3.5	.45	.423	.226	.202
331264CK	RN8.2/50S	8.2	50V	10 x 15 x 5.0	.58	.548	.293	.262
331192CK	RN10/25S	10	25V	8 x 14 x 3.5	.45	.423	.226	.202
331272CK	RN10/50S	10	50V	10 x 15 x 5.0	.58	.548	.293	.262

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



Order Anytime,
Day or Night

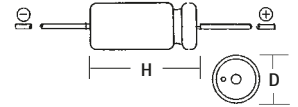
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JAMECO ValuePro

EXCLUSIVE

Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum



Lower \$\$\$

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

Quantity SAVE

SALE

↑ CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
10867CK	A1/50	1	50V	5 x 13	* .15	.104	.078	
93570CK	A2.2/50	2.2	50V	6 x 13	* .11	.10	.09	
199419CK	A3.3/50	3.3	50V	6 x 12	* .12	.111	.10	
11077CK	A4.7/50	4.7	50V	6 x 13	* .11	.097	.073	
331301CK	AB4.7/63	4.7	63V	6 x 12	.23	.197	.143	.105
199427CK	A6.8/50	6.8	50V	6 x 12	* .12	.111	.10	
199144CK	A10J/16	10	16V	6 x 12	.20	.166	.12	.077
199259CK	A10J/25	10	25V	5 x 12	* .174	.15	.139	
93578CK	A10/35	10	35V	6 x 13	* .133	.107	.08	
10883CK	A10/50	10	50V	6 x 12	* .167	.133	.089	
331310CK	AB10/63	10	63V	6 x 12	* .15	.128	.105	
331424CK	AB10/450	10	450V	13 x 25	1.25	1.04	.94	.86
199152CK	A22J/16	22	16V	6 x 12	* .12	.111	.10	
199267CK	A22J/25	22	25V	6 x 12	* .197	.141	.105	
10998CK	A22/50	22	50V	6 x 12	* .19	.14	.10	
331328CK	AB22/63	22	63V	8 x 12	.22	.218	.173	.154
331387CK	AB22/160	22	160V	10 x 17	.80	.68	.62	.56
331432CK	AB22/450	22	450V	16 x 26	1.99	1.66	1.51	1.37
199161CK	A33J/16	33	16V	6 x 13	* .12	.111	.10	
199347CK	A33J/35	33	35V	6.3 x 16	* .12	.111	.10	
199435CK	A33J/50	33	50V	6.3 x 16	* .12	.111	.10	
199179CK	A47J/16	47	16V	6.3 x 12	* .134	.114	.085	
135320CK	A47/25	47	25V	8 x 16	* .15	.14	.096	
199355CK	A47J/35	47	35V	6.3 x 16	* .12	.111	.10	
11106CK	A47/50	47	50V	8 x 16	* .19	.14	.10	
331336CK	AB47/63	47	63V	8 x 16	* .171	.16	.13	
331361CK	AB47/100	47	100V	10 x 17	.34	.273	.247	.19
331395CK	AB47/160	47	160V	13 x 21	.75	.57	.368	.331
331441CK	AB47/450	47	450V	16 x 30	3.25	2.74	2.49	2.26
199443CK	A68J/50	68	50V	8 x 15	* .104	.094	.085	
199187CK	A100J/16	100	16V	6.3 x 16	.24	.22	.19	.16
199283CK	A100J/25	100	25V	8 x 16	.25	.20	.18	.15
10912CK	A100/50	100	50V	8 x 20	.23	.205	.176	.132
331344CK	AB100/63	100	63V	10 x 17	.37	.291	.257	.219
331379CK	AB100/100	100	100V	10 x 20	.85	.73	.57	.47

Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331408CK	AB100/160	100	160V	16 x 26	\$1.79	\$1.53	\$1.39	\$1.26
331416CK	AB100/250	100	250V	16 x 30	2.45	2.09	1.93	1.80
331299CK	AB150/50	150	50V	10 x 17	.96	.86	.69	.65
199195CK	A220J/16	220	16V	8 x 16	* .18	.152	.122	
199291CK	A220J/25	220	25V	8 x 16	.25	.21	.18	.12
199363CK	A220J/35	220	35V	10 x 17	* .16	.14	.13	
11018CK	A220/50	220	50V	10 x 17	\$35.27	.229	.224	.192
331352CK	AB220/63	220	63V	10 x 20	.55	.461	.409	.342
199208CK	A330J/16	330	16V	8 x 16	* .198	.168	.126	
199371CK	A330J/35	330	35V	10 x 17	.44	.367	.333	.25
199451CK	A330J/50	330	50V	13 x 22	.31	.28	.26	.23
199216CK	A470J/16	470	16V	8 x 16	.34	.273	.245	.184
199312CK	A470J/25	470	25V	10 x 17	.44	.367	.333	.235
199380CK	A470J/35	470	35V	10 x 21	.50	.404	.371	.278
11122CK	A470/50	470	50V	13 x 21	\$59.49	.441	.34	.255
199460CK	A680J/50	680	50V	16 x 25	.85	.73	.57	.428
331281CK	AB1000/10	1000	10V	10 x 17	.51	.414	.38	.304
93632CK	A1000/16	1000	16V	10 x 20	.51	.46	.42	.40
10955CK	A1000/25	1000	25V	10 x 20	.66	.54	.49	.38
93650CK	A1000/35	1000	35V	13 x 25	.94	.83	.655	.545
147257CK	A1000/50	1000	50V	16 x 25	.88	.77	.66	.545
11034CK	A2200/16	2200	16V	13 x 21	\$80.51	.446	.354	.33
199321CK	A2200J/25	2200	25V	16 x 28	1.09	.90	.78	.59
93657CK	A2200/35	2200	35V	16 x 30	1.25	1.10	.99	.85
199478CK	A2200J/50	2200	50V	18 x 42	2.29	1.93	1.79	1.65
93666CK	A3300/25	3300	25V	16 x 32	1.10	.99	.88	.77
199398CK	A3300J/35	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199486CK	A3300J/50	3300	50V	22 x 43	2.95	2.86	2.67	2.58
199232CK	A4700J/16	4700	16V	16 x 30	1.45	1.30	1.17	1.06
93674CK	A4700/25	4700	25V	16 x 30	1.69	1.49	1.29	.99
199401CK	A4700J/35	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158810CK	A4700A50	4700	50V	25 x 43	2.79	2.29	2.09	1.79
199241CK	A6800J/16	6800	16V	16 x 33	2.15	1.94	1.74	1.57
199339CK	A6800J/25	6800	25V	18 x 40	2.35	2.12	1.69	1.27
93682CK	A10000/16	10000	16V	16 x 33	2.49	2.28	1.83	1.32

Other Manufacturers — Great Deals*

10866CK	A1/50	1	50V	5 x 13	* .111	.095	.079	
93569CK	A2.2/50	2.2	50V	6 x 13	* .14	.115	.095	
11076CK	A4.7/50	4.7	50V	6 x 13	* .162	.117	.099	
93577CK	A10/35	10	35V	6 x 13	* .155	.134	.119	
10882CK	A10/50	10	50V	6 x 12	* .15	.12	.08	
10997CK	A22/50	22	50V	6 x 12	* .17	.126	.09	
135319CK	A47/25	47	25V	8 x 16	* .135	.115	.086	
11105CK	A47/50	47	50V	8 x 16	* .15	.136	.102	
93551CK	A100/35	100	35V	8 x 16	.27	.22	.19	.15
10911CK	A100/50	100	50V	8 x 20	.23	.205	.176	.138

11017CK	A220/50	220	50V	10 x 20	\$39.33	.277	.252	\$189
11121CK	A470/50	470	50V	13 x 31	.53	.44	.38	.31
93631CK	A1000/16	1000	16V	13 x 27	.46	.41	.38	.36
10954CK	A1000/25	1000	25V	13 x 31	.59	.49	.33	.295
93649CK	A1000/35	1000	35V	13 x 26	.85	.75	.59	.49
147256CK	A1000/50	1000	50V	16 x 31	.79	.71	.57	.43
11033CK	A2200/16	2200	16V	16 x 40	.79	.71	.65	.59
93665CK	A3300/25	3300	25V	16 x 32	1.19	1.07	.95	.83
93673CK	A4700/25	4700	25V	22 x 39	1.55	1.34	1.16	.89
93681CK	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.49

* Capacitor dimensions and styles may vary

JAMECO ValuePro

EXCLUSIVE

Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

85°C – General purpose



Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331521CK	AN1/50	1	50V	6 x 16	\$.35	\$.342	\$.266	\$.209
331635CK	AN1/100	1	100V	6 x 16	.44	.428	.314	.247
331539CK	AN2.2/50	2.2	50V	6 x 16	.40	.38	.295	.228
331547CK	AN3.3/50	3.3	50V	6 x 16	.42	.399	.314	.238
331555CK	AN4.7/50	4.7	50V	6 x 16	.45	.428	.333	.266
331643CK	AN4.7/100	4.7	100V	6 x 16	.69	.66	.504	.38
331483CK	AN10/25	10	25V	6 x 16	.39	.37	.356	.284
331563CK	AN10/50	10	50V	6 x 16	.57	.542	.418	.333
331651CK	AN10/100	10	100V	8 x 16	.73	.69	.532	.504
331459CK	AN22/16	22	16V	6 x 16	.39	.351	.316	.284
331491CK	AN22/25	22	25V	6 x 16	.43	.387	.348	.313
331571CK	AN22/50	22	50V	6 x 16	.75	.71	.545	.437
331627CK	AN22/63	22	63V	8 x 16	.75	.71	.55	.437

Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331660CK	AN22/100	22	100V	10 x 18	\$.86	\$.77	\$.69	\$.62
331580CK	AN33/50	33	50V	8 x 16	.69	.68	.67	.51
331678CK	AN33/100	33	100V	10 x 20	.87	.83	.67	.51
331504CK	AN47/25	47	25V	6 x 16	.51	.459	.413	.372
331598CK	AN47/50	47	50V	8 x 16	.85	.80	.74	.59
331686CK	AN47/100	47	100V	10 x 21	1.39	1.25	1.13	1.01
331467CK	AN100/16	100	16V	8 x 16	.53	.477	.429	.386
331512CK	AN100/25	100	25V	8 x 20	.57	.513	.462	.416
331601CK	AN100/50	100	50V	10 x 18	.91	.87	.83	.79
331694CK	AN100/100	100	100V	13 x 25	2.35	2.12	1.91	1.72
331475CK	AN220/16	220	16V	8 x 20	.75	.68	.61	.55
331619CK	AN220/50	220	50V	13 x 25	1.39	1.32	.99	.79

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

Dipped Tantalum Capacitors (±10%)

Resin Dipped Solid Tantalum Capacitors

- Operating temp. range: -55°C to +85°C (+125°C with derating)
 - Rated voltage DC: ≤ +85°C
 - Low leakage current
 - Exceptional temperature stability
 - Moisture-resistant
 - Flame retardant coating
 - Designed for entertainment and commercial equipment
- † Cross References: Panasonic: EF Series; AVX: Tap Series; Sprague: 196D and 199D; Matsuo: 202; Kemet: T350/ T360; Mepco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
33487CK	TM.1	.10	35	4.5 x 7 x 2.5	\$.27	\$.25	\$.19	\$.15
332110CK	TDR0.1/50	.10	50	4.5 x 7 x 2.5	.40	.348	.28	.22
33508CK	TM.22	.22	35	4.5 x 7 x 2.5	.27	.25	.19	.15
545908CK	TAP334K035SCS	.33	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33524CK	TM.33	.33	35	4.5 x 7 x 2.5	.25	.225	.19	.143
545916CK	TAP334K050SCS	.33	50	4.3 x 7 x 2.5	.29	.25	.227	.219
332128CK	TDR0.33/50	.33	50	4.5 x 7 x 2.5	.39	.351	.227	.18
546038CK	TAP474K035SCS	.47	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33532CK	TM.47	.47	35	4.5 x 7 x 2.5	.22	.20	.15	.14
546046CK	TAP474K050SCS	.47	50	4.3 x 7 x 2.5	.33	.279	.254	.243
332136CK	TDR0.47/50	.47	50	4.5 x 7 x 2.5	.39	.351	.24	.18
546134CK	TAP684K035SCS	.68	35	4.3 x 7 x 2.5	.26	.247	.202	.194
61103CK	TM.68	.68	35	4.5 x 7 x 2.5	.33	.29	.21	.19
546142CK	TAP684K050SCS	.68	50	4.3 x 7 x 2.5	.33	.314	.254	.243
545588CK	TAP105K025SCS	1	25	4.3 x 7 x 2.5	.23	.194	.177	.168
154861CK	TM1/25	1	25	4.5 x 7 x 2.5	.32	.29	.25	.22
545596CK	TAP105K035SCS	1	35	4.3 x 7 x 2.5	.20	.169	.154	.151
545561CK	TAP104K035SCS	1	35	4 x 6 x 2.5	.26	.194	.161	.153
33663CK	TM1	1	35	4.5 x 7 x 2.5	.32	.29	.25	.22
545609CK	TAP105K050SCS	1	50	4.7 x 7 x 2.5	.30	.254	.23	.219
332144CK	TDR1/50	1	50	8.0 x 5 x 2.5	.34	.30	.216	.21
545705CK	TAP155K025SCS	1.5	25	4.3 x 7 x 2.5	.26	.224	.202	.194
545713CK	TAP155K035SCS	1.5	35	4.3 x 7 x 2.5	.30	.257	.234	.219
94002CK	TM2.2/16	2.2	16	4.5 x 7 x 2.5	.21	.19	.16	.12
33735CK	TM2.2/35	2.2	35	5 x 8 x 2.5	.39	.35	.29	.22
545799CK	TAP225K020SCS	2.2	20	4.3 x 7 x 2.5	.30	.257	.234	.219
545801CK	TAP225K025SCS	2.2	25	4.3 x 7 x 2.5	.24	.203	.184	.175
545810CK	TAP225K035SCS	2.2	35	4.3 x 7 x 2.5	.26	.22	.20	.19
545828CK	TAP225K050SCS	2.2	50	5.4 x 8 x 2.5	.53	.448	.407	.404
332152CK	TDR2.2/50	2.2	50	6.5 x 11 x 2.5	.73	.63	.50	.45
545924CK	TAP335K010SCS	3.3	10	4 x 6 x 2.5	.26	.224	.202	.194
545932CK	TAP335K016SCS	3.3	16	4.3 x 7 x 2.5	.26	.224	.202	.194
545941CK	TAP335K025SCS	3.3	25	4.3 x 7 x 2.5	.33	.279	.254	.243
545959CK	TAP335K035SCS	3.3	35	4.3 x 7 x 2.5	.41	.347	.314	.30
33770CK	TM3.3	3.3	35	5 x 8 x 2.5	.45	.36	.32	.24
545967CK	TAP335K050SCS	3.3	50	5.4 x 8 x 2.5	.65	.64	.63	.62
546054CK	TAP475K010SCS	4.7	10	4.3 x 7 x 2.5	.25	.213	.193	.184
546062CK	TAP475K016SCS	4.7	16	4.3 x 7 x 2.5	.28	.249	.228	.205
94036CK	TM4.7/16	4.7	16	5 x 8 x 2.5	.47	.38	.28	.20
546071CK	TAP475K025SCS	4.7	25	4.3 x 7 x 2.5	.38	.36	.263	.25
94044CK	TM4.7/25	4.7	25	5 x 8 x 2.5	.49	.44	.33	.20
546089CK	TAP475K035SCS	4.7	35	4.7 x 7.5 x 2.5	.33	.314	.258	.245
33807CK	TM4.7	4.7	35	5.5 x 9.5 x 2.5	.45	.42	.37	.27
546097CK	TAP475K050SCS	4.7	50	6 x 9.4 x 2.5	.91	.90	.89	.88
546151CK	TAP685K006SCS	6.8	6.3	4 x 6 x 2.5	.26	.247	.202	.194
546169CK	TAP685K010SCS	6.8	10	4.3 x 7 x 2.5	.37	.352	.284	.267
546177CK	TAP685K016SCS	6.8	16	4.3 x 7 x 2.5	.39	.371	.299	.284
546185CK	TAP685K025SCS	6.8	25	4.7 x 7.5 x 2.5	.51	.439	.348	.331
546193CK	TAP685K035SCS	6.8	35	4.7 x 7.5 x 2.5	.51	.485	.391	.373
33874CK	TM6.8	6.8	35	6.5 x 11 x 2.5	.59	.45	.36	.32

Other Manufacturers — Great Deals*

33486CK	TM.1	.10	35	4.5 x 7	\$.23	\$.225	\$.171	\$.135
33507CK	TM.22	.22	35	4.5 x 7	.27	.237	.184	.137
33523CK	TM.33	.33	35	4.5 x 7	.27	.237	.216	.17
33531CK	TM.47	.47	35	4.5 x 7	*	.18	.135	.126
61102CK	TM.68	.68	35	4.5 x 7	.27	.23	.213	.159
154860CK	TM1/25	1	25	4.5 x 7	.29	.261	.225	.198
33662CK	TM1	1	35	4.5 x 7	.29	.261	.225	.198
94001CK	TM2.2/16	2.2	16	4.5 x 7	.29	.24	.20	.15
94019CK	TM2.2/25	2.2	25	4.5 x 7	.35	.29	.23	.18
33734CK	TM2.2	2.2	35	5 x 8	.35	.315	.261	.198
33769CK	TM3.3	3.3	35	5 x 8	.50	.324	.297	.279
94035CK	TM4.7/16	4.7	16	5 x 8	.34	.31	.27	.20
94043CK	TM4.7/25	4.7	25	5 x 8	.44	.396	.297	.18

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
545617CK	TAP106K006SCS	10	6.3	4.3 x 7 x 2.5	\$.33	\$.279	\$.254	\$.243
545625CK	TAP106K010SCS	10	10	4.7 x 7.5 x 2.5	.42	.253	.224	.213
94061CK	TM10/16	10	16	5 x 8 x 2.5	.45	.39	.29	.25
545633CK	TAP106K020SCS	10	20	5.4 x 8 x 2.5	.50	.423	.384	.365
545641CK	TAP106K025SCS	10	25	5.4 x 8 x 2.5	.58	.498	.395	.389
94079CK	TM10/25	10	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36
545570CK	TAP104K050SCS	10	50	4 x 6 x 2.5	.31	.269	.227	.219
545650CK	TAP106K035SCS	10	35	5.4 x 8 x 2.5	.81	.77	.68	.62
33690CK	TM10	10	35	5.5 x 11 x 2.5	.89	.79	.69	.59
332161CK	TDR10/50	10	50	8.5 x 13 x 2.5	3.15	2.78	2.27	2.09
545721CK	TAP156K010SCS	15	10	4.7 x 7.5 x 2.5	.44	.372	.338	.324
545730CK	TAP156K016SCS	15	16	5.4 x 8 x 2.5	.53	.448	.407	.389
545748CK	TAP156K020SCS	15	20	5.4 x 8 x 2.5	.54	.457	.414	.397
33719CK	TM15	15	25	6.5 x 11 x 2.5	.89	.80	.72	.61
597468CK	TAP156K035SCS	15	35	6 x 9.4 x 2.5	1.79	1.52	1.38	1.30
545692CK	TAP154K035SCS	15	35	4 x 6 x 2.5	.26	.224	.202	.194
545836CK	TAP226K006SCS	22	6.3	4.7 x 7.5 x 2.5	.44	.372	.338	.324
33752CK	TM22	22	6.3	5.5 x 9.5 x 2.5	.45	.37	.26	.22
545844CK	TAP226K010SCS	22	10	5.4 x 8 x 2.5	.50	.423	.384	.365
545852CK	TAP226K016SCS	22	16	5.4 x 8 x 2.5	.40	.338	.307	.305
94095CK	TM22/16	22	16	5.5 x 9.5 x 2.5	.69	.59	.49	.45
545861CK	TAP226K020SCS	22	20	6 x 9.4 x 2.5	1.01	.86	.77	.73
545879CK	TAP226K025SCS	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08
545887CK	TAP226K035SCS	22	35	7 x 11 x 2.5	1.39	1.18	1.07	1.05
332101CK	TDR22/35	22	35	8.5 x 13 x 2.5	2.15	1.85	1.25	1.15
545781CK	TAP224K050SCS	22	50	4 x 6 x 2.5	.29	.25	.227	.219
545975CK	TAP336K006SCS	33	6.3	5.4 x 8 x 2.5	.47	.397	.361	.34
545983CK	TAP336K010SCS	33	10	5.4 x 8 x 2.5	.58	.491	.446	.421
545991CK	TAP336K016SCS	33	16	6 x 9.4 x 2.5	1.03	.87	.78	.75
546003CK	TAP336K020SCS	33	20	6 x 9.4 x 2.5	1.45	1.23	1.12	1.05
546011CK	TAP336K025SCS	33	25	6 x 9.4 x 2.5	1.89	1.60	1.45	1.38
33786CK	TM33	33	25	8.5 x 13 x 2.5	2.35	2.09	1.62	1.05
546020CK	TAP336K035SCS	33	35	8.2 x 12.5 x 2.5	3.15	2.67	2.43	2.28
546100CK	TAP476K010SCS	47	10	6 x 9.4 x 2.5	1.03	.98	.79	.75
546118CK	TAP476K016SCS	47	16	6 x 9.4 x 2.5	1.59	1.52	1.22	1.14
94124CK	TM47/16	47	16	6.5 x 11 x 2.5	1.69	1.55	1.35	.95
33823CK	TM47	47	25	9.5 x 16.5 x 2.5	3.39	3.05	2.35	1.85
546126CK	TAP476K035SCS	47	35	8.2 x 12.5 x 5	5.55	5.28	3.76	3.58
546206CK	TAP686K006SCS	68	6.3	6 x 9.4 x 2.5	.62	.59	.476	.454
546214CK	TAP686K010SCS	68	10	6 x 9.4 x 2.5	1.49	1.42	1.15	1.08
546222CK	TAP686K016SCS	68	16	7 x 11 x 2.5	1.95	1.85	1.48	1.39
546231CK	TAP686K020SCS	68	20	8.2 x 12.5 x 5	4.09	3.89	3.14	2.95
332099CK	TDR68/25	68	25	9.5 x 16.5 x 2.5	6.49	5.64	4.42	3.98
545668CK	TAP107K006SCS	100	6.3	6.0 x 9.4 x 2.5	1.31	1.12	1.01	.96
33701CK	TM100	100	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85
597450CK	TAP107K016SCS	100	16	7 x 11 x 2.5	4.09	3.46	3.14	2.95
545684CK	TAP107K020SCS	100	20	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43
545764CK	TAP157K006SCS	150	6.3	7 x 11 x 2.5	1.95	1.63	1.48	1.39
545772CK	TAP157K010SCS	150	10	7 x 11 x 2.5	3.79	3.22	2.92	2.74
545895CK	TAP227K010SCS	220	10	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43

* Capacitor dimensions and styles may vary

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

SALE

Snap-Ins!



† CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF; Nichicon: LLK/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN)

115422CK

Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) D x H	Pricing		
					1	10	100
331838CK	SNA68/450	68	450V	22 x 30	\$2.55	\$2.19	\$1.26
331926CK	SNB100/200	100	200V	30 x 40	1.95	1.50	.81
331846CK	SNA120/450	120	450V	22 x 40	3.09	2.33	1.45
331766CK	SNA220/200	220	200V	22 x 27	1.89	1.42	.89
331934CK	SNB220/200	220	200V	22 x 27	2.19	1.81	1.25
331791CK	SNA220/250	220	250V	22 x 36	2.19	1.65	1.02
332013CK	SNB220/250	220	250V	22 x 36	1.99	1.89	1.25
331854CK	SNA220/450	220	450V	25 x 48	4.39	3.31	2.06
203238CK	SN270/350	270	350V	25 x 40	2.95	2.66	2.39
331774CK	SNA330/200	330	200V	25 x 35	2.55	1.49	1.29
331942CK	SNB330/200	330	200V	25 x 30	1.75	1.66	1.39
331803CK	SNA330/250	330	250V	22 x 36	1.95	1.74	1.41
332021CK	SNB330/250	330	250V	22 x 36	2.19	2.10	1.35
203246CK	SN330/400	330	400V	30 x 46	3.69	3.32	2.59
331862CK	SNA330/450	330	450V	35 x 48	5.99	4.52	2.80
331951CK	SNB470/200	470	200V	22 x 41	2.39	2.19	1.26
331811CK	SNA470/250	470	250V	25 x 40	3.05	2.30	1.43
332030CK	SNB470/250	470	250V	25 x 40	2.35	2.15	1.61
203263CK	SN470/400/5	470	450V	35 x 51	8.25	7.60	5.69
155890CK	SN560/200	560	200V	23 x 41	\$3.19 2.89	2.60	1.95
331782CK	SNA560/200	560	200V	25 x 36	2.99	2.12	1.22
331969CK	SNB560/200	560	200V	25 x 36	3.35	2.39	1.36
332048CK	SNA560/250	560	250V	30 x 40	2.95	2.80	1.81

Part No.	Cross Ref. No. ↑	Value (µF)	Voltage	Size (mm) D x H	Pricing		
					1	10	100
203271CK	SN680/200/2	680	200V	35 x 25	\$1.29	\$1.15	\$1.09
331977CK	SNB680/200	680	200V	25 x 40	3.05	2.69	2.42
331820CK	SNA680/250	680	250V	25 x 48	3.79	2.86	1.77
332056CK	SNB680/250	680	250V	25 x 48	3.89	3.53	2.28
331985CK	SNB820/200	820	200V	25 x 48	3.15	2.78	1.73
332064CK	SNB820/250	820	250V	30 x 48	4.35	4.03	2.50
331993CK	SNB1000/200	1,000	200V	30 x 40	4.29	3.23	2.00
332072CK	SNB1000/250	1,000	250V	35 x 50	4.75	4.37	3.19
332005CK	SNB1500/200	1,500	200V	35 x 48	5.45	4.24	2.76
331871CK	SNB2200/50	2,200	50V	22 x 26	3.19	2.26	1.30
331889CK	SNB3300/50	3,300	50V	25 x 23	2.45	2.01	1.17
331740CK	SNA3300/80	3,300	80V	22 x 48	2.35	2.23	1.75
331897CK	SNB4700/50	4,700	50V	25 x 30	2.19	1.99	1.79
115422CK	SN4700/50	4,700	50V	30 x 41	2.19	1.99	1.49
331723CK	SNA4700/63	4,700	63V	25 x 40	3.75	3.06	2.54
331900CK	SNB8800/50	6,800	50V	25 x 40	2.69	2.40	1.82
115432CK	SN6800/50	6,800	50V	30 x 51	3.15	2.68	2.01
331758CK	SNA8200/80	8,200	80V	35 x 53	6.89	5.15	4.00
331707CK	SNA10000/16	10,000	16V	22 x 30	3.29	1.90	1.34
331918CK	SNB10000/50	10,000	50V	25 x 41	4.65	3.51	2.58
157737CK	SN10000/50	10,000	50V	35 x 40	4.95	4.10	3.99
331731CK	SNA10000/63	10,000	63V	35 x 40	5.49	4.45	3.94
331715CK	SNA15000/25	15,000	25V	25 x 40	2.65	2.35	1.78

Other Manufacturers — Great Deals*

203211CK	SN220/400/2	220	400V	22 x 51	\$4.15 3.85	\$3.25	\$2.35
115377CK	SN470/200	470	200V	30 x 41	2.49	2.12	1.59
203254CK	SN470/400/4	470	400V	35 x 41	6.35	5.40	4.05

*Capacitor dimensions may vary



Memory Back-Up Capacitors

- Applications: • Memory back-up of remote controllers
- Back-up on CMOS microcomputers, static RAM, DTSS (digital tuning systems)

Features:

- Small size vs. capacitance
- Voltage: 5.5VDC
- Excellent voltage holding characteristics for low back-up currents



Part No.	Cross Ref. No.	Value (Farad)	Size (mm) L x T x Dia.	1	10	100
142922CK	MBC.047/5.5	.047	10.6 x 6.6 x 12.0	\$1.49	\$1.34	\$.99
142949CK	MBC.22/5.5	.22	11.8 x 6.4 x 12.8	2.09	1.79	1.41
143010CK	MBC.47/5.5	.47	13.3 x 9.2 x 21.1	3.49	3.15	2.59

Other Manufacturers — Great Deals*

142957CK	MBC1.0/5.5	1.0	—	\$4.29	\$3.85	\$3.49
227811CK	S5R5V105	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.86

*Capacitor dimensions and styles may vary

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors

- Case type: DM15 • Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C



Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H	1	10	100	1000
15991CK	DM100	10pF	500	11 x 4 x 9	\$.49	\$.44	\$.333	\$.249
16037CK	DM220	22pF	500	11 x 4 x 9	.49	.39	.29	.23
16070CK	DM330	33pF	500	11 x 4 x 9	.49	.38	.31	.29
16096CK	DM470	47pF	500	11 x 4 x 9	.49	.39	.29	.25
16002CK	DM101	100pF	500	11 x 4 x 9	.49	.44	.35	.26
16088CK	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.45
16109CK	DM471	470pF	500	11 x 4 x 9	1.05	.95	.79	.65
16011CK	DM102	1000pF	100	11 x 4 x 9	1.19	1.07	.86	.64

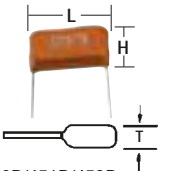
*Capacitor dimensions and styles may vary

Mylar Capacitors (±10%)

Metallized Polyester Film Capacitors

- High performance at low cost • Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: ≤0.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5 sec

SALE



† Cross References: Panasonic: ECQ-E Series; Sprague: DF/450P/451P/453P; Westlake: 160/168/ 185/167/184/186; Rubycon: MC/MN; Mepco: 713A1/719A1/C280; TRW: X601PE/X601CPE; Packtron: MF/RB; Secor: MMKS/MMKR/MMDR; RIFA: PHE353/PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF Thompson: MD/ MC; Siemens: B325X-XX; NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

*Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No. ↑	Value (µF)	Volt. (V)	Size (mm) L x T x H	Pricing			
					1	10	100	1000
26833CK	MY.001	.001	100	7.0 x 3.0 x 7.0	*	\$.092	\$.062	\$.048
207802CK	MY.0015/1000	.0015	1000	23.5 x 5.1 x 10.7	*	.023	.02	.018
26868CK	MY.0022	.0022	100	6.0 x 3.0 x 10.0	*	.09	.056	.043
26876CK	MY.0047	.0047	100	6.0 x 3.0 x 9.0	*	.14	.13	.11
207829CK	MY.0068/220	.0068	220	18.0 x 5.5 x 10.0	*	.066	.059	.053
26884CK	MY.01	.01	100	6.0 x 3.0 x 7.0	*	.13	.096	.091
207837CK	MY.018/50	.018	50	6.1 x 2.6 x 11.3	*	.04	.036	.032
26905CK	MY.022	.022	100	6.0 x 3.0 x 10.0	*	.13	.095	.09
26921CK	MY.033	.033	100	8.0 x 4.0 x 11.0	*	.11	.088	.084
207861CK	MY.033/400	.033	400	11.0 x 4.0 x 8.0	.36	.245	.144	.114
26930CK	MY.047	.047	100	8.0 x 4.0 x 12.0	*	.12	.104	.099
135562CK	MY.1/50	.1	50	14.0 x 6.0 x 12.0	*	.14	.12	.094
26956CK	MY.1	.1	100	12.5 x 5.0 x 9.5	.27	.233	.185	.119
93921CK	MY.1/250	.1	250	12.5 x 5.5 x 10	*	.17	.14	.122
26972CK	MY.22	.22	100	12.5 x 5.5 x 10	*	.19	.12	.085
93964CK	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.27	.24	.22	.17
26999CK	MY.47	.47	100	18.0 x 6.0 x 11.5	.30	.263	.238	.225
27001CK	MY1	1.0	100	18.0 x 7.5 x 14.0	.56	.447	.333	.316
93981CK	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.62	.45	.38	.36
93999CK	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	.92	.75	.62	.535

† ±20% tolerance *Capacitor dimensions and styles may vary Blue P/N = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Ceramic Disc Capacitors ($\pm 20\%$)

25, 50 and 1000 Volt, 25U Temperature Coefficient

Operating temperature range	+10°C to +85°C
Cap. change over temp. range	+22% to -56%
Dielectric withstanding voltage	2.5 times rated volt. for not < 1 sec.



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing				
					1	10	100	1000	5000
332179CK	CD1/50	1pF	50	5 x 2.5	*	\$.014	\$.009	\$.008	\$.007
135142CK	DC2.2	2.2pF	50	5 x 2.5	*	.05	.035	.019	.015
332291CK	CD3.3/1000	3.3pF	1000	5 x 2.5	*	.176	.103	.098	.097
332187CK	CD5/50	5pF	50	5 x 2.5	*	.056	.028	.027	.026
332304CK	CD5/1000	5pF	1000	5 x 2.5	*	.143	.108	.097	.092
15334CK	DC10	10pF	50	5 x 2.5	*	.07	.05	.02	.015
332312CK	CD10/1000	10pF	1000	6 x 2.5	.44	.35	.20	.18	.17
332195CK	CD12/50	12pF	50	5 x 2.5	*	.014	.009	.008	.007
332208CK	CD15/50	15pF	50	5 x 2.5	*	.03	.018	.016	.015
332321CK	CD20/1000	20pF	1000	5 x 2.5	.44	.35	.20	.18	.17
15406CK	DC22	22pF	50	6 x 2.5	*	.078	.055	.028	.022
332339CK	CD22/1000	22pF	1000	5 x 2.5	*	.093	.052	.048	.044
332216CK	CD33/50	33pF	50	5 x 2.5	*	.056	.027	.025	.02
15511CK	DC47	47pF	50	5 x 2.5	*	.055	.039	.022	.017
332347CK	CD47/1000	47pF	1000	5 x 2.5	.42	.234	.167	.092	.08
332224CK	CD68/50	68pF	50	5 x 2.5	*	.065	.033	.029	.025
332355CK	CD68/1000	68pF	1000	5 x 2.5	*	.141	.095	.086	.082
15342CK	DC100	100pF	50	5 x 2.5	*	.056	.039	.028	.022
332232CK	CD120/50	120pF	50	5 x 2.5	*	.056	.029	.027	.021
332363CK	CD120/1000	120pF	1000	5 x 2.5	.23	.206	.147	.081	.071
332371CK	CD150/1000	150pF	1000	5 x 2.5	*	.201	.143	.079	.068
15414CK	DC220	220pF	50	5 x 2.5	*	.05	.035	.025	.015
332380CK	CD220/1000	220pF	1000	5 x 2.5	.42	.201	.143	.079	.068
15449CK	DC330	330pF	50	5 x 2.5	*	.05	.035	.025	.019
332398CK	CD330/1000	330pF	1000	5 x 2.5	.42	.235	.17	.096	.091
15529CK	DC470	470pF	50	5 x 2.5	*	.09	.072	.028	.024

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing				
					1	10	100	1000	5000
332401CK	CD470/1000	470pF	1000	5 x 2.5	\$.42	\$.235	\$.17	\$.096	\$.09
332419CK	CD560/1000	560pF	1000	6 x 2.5	*	.043	.042	.041	.039
332241CK	CD680/50	680pF	50	5 x 2.5	*	.056	.03	.027	.021
332427CK	CD680/1000	680pF	1000	6 x 2.5	*	.149	.084	.071	.067
207853CK	CD820/1000	820pF	1000	14 x 2.5	*	.07	.063	.057	.051
332435CK	CD1000/1000	1000pF	1000	5 x 2.5	.38	.235	.17	.096	.09
332259CK	CD1200/50	1200pF	50	5 x 2.5	*	.056	.03	.027	.021
332267CK	CD1500/50	1500pF	50	5 x 2.5	*	.056	.03	.027	.021
332275CK	CD2200/50	2200pF	50	5 x 2.5	*	.074	.037	.033	.027
332443CK	CD2200/1000	2200pF	1000	6 x 2.5	.42	.293	.235	.12	.112
332283CK	CD3300/50	3300pF	50	5 x 2.5	*	.074	.037	.033	.027
332451CK	CD4700/1000	4700pF	1000	7 x 2.5	.35	.34	.208	.198	.188
332460CK	CD5000/1000	5000pF	1000	7 x 2.5	.31	.30	.186	.177	.168
332478CK	CD7500/1000	7500pF	1000	8 x 2.5	.48	.456	.323	.307	.292
15191CK	DC.001	.001μF	50	6 x 2.5	*	.067	.056	.028	.024
97342CK	DC.0022/1K20	.0022μF	1000	11 x 2.5	.27	.22	.18	.16	.11
15212CK	DC.0047	.0047μF	50	6 x 2.5	*	.097	.088	.083	.078
15230CK	DC.01	.01μF	50	6 x 2.5	*	.067	.045	.033	.023
97376CK	DC.01/1K20	.01μF	1000	12 x 2.5	*	.20	.133	.093	.073
332486CK	CD20000/1000	.02μF	1000	16 x 2.5	.60	.57	.33	.26	.247
15246CK	DC.022	.022μF	50	8 x 2.5	*	.07	.05	.04	.03
15254CK	DC.047	.047μF	50	8 x 2.5	*	.093	.077	.063	.044
332494CK	CD47000/1000	.047μF	1000	16 x 2.5	1.59	1.22	.71	.68	.65
332507CK	CD50000/1000	.05μF	1000	16 x 2.5	1.35	1.28	.81	.65	.62
151117CK	DC.1/25	.1μF	25	6 x 2.5	*	.155	.145	.089	.078
15271CK	DC.1	.1μF	50	8 x 2.5	*	.167	.145	.128	.105
332515CK	CD100000/1000	.1μF	1000	21 x 2.5	1.95	1.79	1.05	.83	.79

Other Manufacturers — Great Deals*

Quantity SAVE

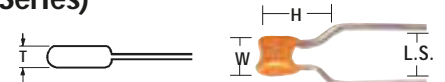
135141CK	DC2.2	2.2pF	50	5	*	\$.05	\$.032	\$.017	\$.014
15333CK	DC10	10pF	50	5	*	.063	.045	.018	.013
15405CK	DC22	22pF	50	6	*	.07	.05	.025	.02
15510CK	DC47	47pF	50	5	*	.05	.035	.02	.015
15341CK	DC100	100pF	50	5	*	.05	.035	.025	.02
15413CK	DC220	220pF	50	5	*	.045	.032	.023	.013
15448CK	DC330	330pF	50	5	*	.045	.032	.02	.015
15528CK	DC470	470pF	50	5	*	.08	.065	.025	.022
15190CK	DC.001	.001μF	50	6	*	.06	.054	.043	.032

97341CK	DC.0022/1K20	.0022μF	1000	11	*	\$.242	\$.166	\$.097	\$.072
15211CK	DC.0047	.0047μF	50	6	*	.045	.032	.027	.02
15229CK	DC.01	.01μF	50	6	*	.06	.04	.03	.02
97375CK	DC.01/1K20	.01μF	1000	12	*	.18	.12	.084	.066
15245CK	DC.022	.022μF	50	8	*	.063	.045	.036	.027
15253CK	DC.047	.047μF	50	8	*	.084	.069	.057	.04
151116CK	DC.1/25	.1μF	25	6	*	.14	.13	.08	.07
15270CK	DC.1	.1μF	50	8	*	.15	.13	.115	.095

* Capacitor dimensions and styles may vary

Monolithic Ceramic Capacitors ($\pm 10\%$) (XR7 Series)Applications: • Data processing
Operating temp. range: -10°C to +85°C

• Communications engineering



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing				
					1	10	100	1000	5000
332582CK	MOC100/100	100pF	100	5.0x5.0x3.0x2.5	*	\$.14	\$.12	\$.081	\$.071
332591CK	MOC220/100	220pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.074	.07
332603CK	MOC330/100	330pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.094	.089
332611CK	MOC470/100	470pF	100	5.0x5.0x3.0x2.5	*	.121	.088	.08	.076
544825CK	SR151C102KAA	1000pF	100	3.8x2.5x3.8x5.1	*	.087	.069	.043	.041
332620CK	MOC1000/100	1000pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.052
544841CK	SR151C222KAA	2200pF	100	3.8x2.5x3.8x5.1	*	.104	.094	.074	.071
544850CK	SR151C472KAA	4700pF	100	3.8x2.5x3.8x5.1	*	.114	.102	.081	.078
332638CK	MOC4700/100	4700pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.052
597281CK	SR211C103KAA	.01μF	100	3.8x2.5x3.8x5.1	*	.118	.098	.046	.044
544833CK	SR151C103KAA	.01μF	100	3.8x2.5x3.8x5.1	*	.103	.088	.054	.053

* Prepackaged: order in increments of 10, 100 or 1000

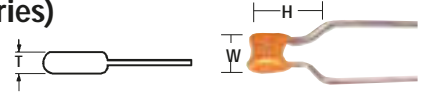
Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing				
					1	10	100	1000	5000
332646CK	MOC10000/100	.01μF	100	5.0x5.0x3.0x2.5	*	\$.125	\$.09	\$.063	\$.06
544892CK	SR211C223KAA	.022μF	100	3.8x2.5x3.8x5.1	*	.137	.13	.104	.10
332654CK	MOC22000/100	.022μF	100	5.0x5.0x3.0x2.5	*	.111	.08	.056	.053
544905CK	SR211C333KAA	.033μF	100	3.8x2.5x3.8x5.1	*	.142	.13	.105	.097
544913CK	SR211C473KAA	.047μF	100	3.8x2.5x3.8x5.1	*	.142	.139	.11	.107
332662CK	MOC47000/100	.047μF	100	5.0x5.0x3.0x2.5	*	.142	.104	.073	.069
544921CK	SR215C104KAA	.1μF	50	3.8x2.5x3.8x5.1	*	.111	.088	.057	.054
544884CK	SR211C104KAA	.1μF	100	3.8x2.5x3.8x5.1	*	.127	.09	.057	.056
332671CK	MOC100000/100	.1μF	100	5.0x5.0x3.0x2.5	*	.132	.096	.067	.064
332689CK	MOC150000/100	.15μF	50	5.0x5.0x3.0x2.5	.45	.408	.366	.33	.314
544948CK	SR305C474KAA	.47μF	50	3.8x2.5x3.8x5.1	.46	.396	.24	.232	.224

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Monolithic Ceramic Capacitors (±20%) (Z5U Series)

Applications: • Data processing • Communications engineering
Operating temp. range: -10°C to +85°C * Prepackaged: order in increments of 10, 100 or 1000



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L x S.	Pricing				
					1	10	100	1000	5000
81542CK	MD10	10pF	50	3.5x2.0x3.0x2.5	*	\$.10	\$.065	\$.045	\$.034
332523CK	MOC10/100	10pF	100	4.2x3.0x4.2x2.5	*	.089	.065	.046	.044
332531CK	MOC15/100	15pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.096
81534CK	MD22	22pF	50	4.0x2.0x4.0x2.5	*	.105	.081	.05	.045
332540CK	MOC22/100	22pF	100	4.2x3.0x4.2x2.5	*	.10	.073	.051	.048
332558CK	MOC33/100	33pF	100	4.2x3.0x4.2x2.5	*	.167	.122	.08	.076
332566CK	MOC47/100	47pF	100	4.2x3.0x4.2x2.5	*	.118	.086	.06	.057
332574CK	MOC68/100	68pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.096
81526CK	MD100	100pF	50	3.5x2.0x3.0x2.5	*	.10	.078	.05	.039
81518CK	MD.001	.001µF	50	4.5x2.0x3.0x2.5	*	.10	.078	.075	.068
138182CK	MD.0022	.0022µF	50	4.0x2.0x5.5x2.5	*	.078	.067	.055	.041

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L x S.	Pricing				
					1	10	100	1000	5000
25508CK	MD.01	.01µF	50	3.5x2.0x3.0x2.5	*	\$.09	\$.06	\$.045	\$.041
57622CK	MD.047	.047µF	50	2.5x2.5x3.0x2.5	*	.08	.07	.05	.039
544868CK	SR151C472KAA	.1µF	50	3.8x2.5x3.8x5.1	*	.094	.06	.034	.032
25524CK	MD.1	.1µF	50	6.0x2.0x4.0x2.5	*	.078	.067	.044	.039
25541CK	MD.22	.22µF	50	6.0x2.0x4.5x2.5	*	.189	.133	.089	.072
544930CK	SR215E334MAA	.33µF	50	3.8x2.5x3.8x5.1	*	.174	.111	.087	.081
138238CK	MD.33	.33µF	50	6.0x2.0x8.0x2.5	*	.178	.155	.122	.078
25559CK	MD.47	.47µF	50	4.5x2.5x4.5x2.5	.43	.39	.28	.21	.145
544956CK	SR305E105MAA	1µF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510CK	MD1	1µF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233

Other Manufacturers — Great Deals*

81541CK	MD10	10pF	50	3.5x2.0x3.0	*	\$.09	\$.056	\$.04	\$.027
81533CK	MD22	22pF	50	4.0x2.0x4.0	*	.095	.073	.045	.04
81525CK	MD100	100pF	50	3.5x2.0x3.0	*	.09	.07	.045	.035
81517CK	MD.001	.001µF	50	4.5x2.0x3.0	*	.09	.07	.05	.035
138181CK	MD.0022	.0022µF	50	4.0x2.0x5.5	*	.07	.06	.05	.04
138202CK	MD.0047	.0047µF	50	5.0x2.0x5.5	*	.07	.063	.05	.038
25507CK	MD.01	.01µF	50	3.5x2.0x3.0	*	.10	.067	.05	.045

* Capacitor dimensions and style may vary



Motor Capacitors

• Operating temp.: -25°C to +85°C • Metal or plastic shell and double welding sheet metal • Insulation resistance: >300MΩ • Quick connect



Motor Running Capacitors

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing			
					1	10	100	500
332793CK	MRC370V2	2µF	370	34 x 50	\$4.69	\$4.17	\$3.88	\$3.69
332806CK	MRC370V4	4µF	370	34 x 50	5.05	4.80	4.33	3.90
332814CK	MRC370V5	5µF	370	34 x 50	3.85	3.68	3.12	2.81
332822CK	MRC370V7R5	7.5µF	370	36 x 80	5.89	3.96	3.38	3.04
332831CK	MRC370V10	10µF	370	42 x 80	4.85	4.06	3.46	3.29
332849CK	MRC370V15	15µF	370	40 x 70	6.05	5.07	4.38	4.16
332857CK	MRC370V25	25µF	370	40 x 70	8.05	6.76	5.83	5.54
332865CK	MRC440V10	10µF	440	40 x 70	6.49	5.47	4.72	4.48
332873CK	MRC440V20	20µF	440	40 x 70	9.99	8.51	7.27	6.91

Motor Starting Capacitors

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing			
					1	10	100	500
332697CK	MSC125V21	21µF	125	37 x 70	\$2.35	\$2.23	\$2.12	\$2.01
332700CK	MSC125V124	124µF	125	37 x 70	2.75	2.61	2.48	2.36
332718CK	MSC125V161	161µF	125	37 x 70	2.95	2.80	2.66	2.53
332726CK	MSC125V189	189µF	125	37 x 70	3.09	2.94	2.79	2.65
332734CK	MSC125V216	216µF	125	37 x 86	3.29	3.13	2.97	2.82
332742CK	MSC125V270	270µF	125	37 x 86	3.59	3.41	3.24	3.08
332751CK	MSC125V590	590µF	125	46 x 111	6.15	5.84	5.55	5.27
332769CK	MSC250V21	21µF	250	37 x 70	2.95	2.80	2.66	2.53
332777CK	MSC250V30	30µF	250	37 x 70	3.09	2.94	2.90	2.87
332785CK	MSC250V53	53µF	250	46 x 86	3.85	3.25	3.02	2.87

Surface Mount Capacitors

Aluminum Electrolytic Capacitors



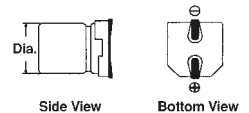
Tape



Individual

Leakage Current (20°C) after 2 minutes ≤ .01CV or 3µA

Operating Temperature Range: -40°C to +85°C



Side View

Bottom View

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610802CK	UWX1H0R1MCL1GB	.01	50	4.0	*	\$.108	\$.096	\$.091
610811CK	UWX1H0R1MCL2GB	.01	50	3.0	*	.108	.096	.091
610829CK	UWX1HR22MCL1GB	.022	50	4.0	*	.108	.096	.091
610837CK	UWX1HR22MCL2GB	.022	50	3.0	*	.108	.096	.091
610845CK	UWX1HR33MCL1GB	.033	50	4.0	*	.108	.096	.091
610853CK	UWX1HR33MCL2GB	.033	50	3.0	*	.108	.096	.091
610861CK	UWX1HR47MCL1GB	.047	50	4.0	*	.108	.096	.091
610870CK	UWX1HR47MCL2GB	.047	50	3.0	*	.108	.096	.091
610888CK	UWX1V2R2MCL2GB	2.2	35	4.0	*	.103	.096	.088
610896CK	UWX1V3R3MCL2GB	3.3	35	4.0	*	.103	.096	.088
610909CK	UWX1V4R7MCL1GB	4.7	35	4.0	*	.103	.096	.088

† Cross Reference: Panasonic: VS Series

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610706CK	UWX0G220MCL2GB	22	4	3.0	*	\$.108	\$.096	\$.091
610773CK	UWX1A220MCL1GB	22	10	4.0	*	.103	.096	.091
610722CK	UWX0G330MCL1GB	33	4	4.0	*	.108	.096	.091
610749CK	UWX0J330MCL1GB	33	6.3	4.0	*	.113	.096	.091
610781CK	UWX1A330MCL1GB	33	10	4.0	*	.113	.096	.091
610731CK	UWX0G470MCL1GB	47	4	4.0	*	.108	.096	.091
610757CK	UWX0J470MCL1GB	47	6.3	5.0	*	.108	.096	.091
610790CK	UWX1A470MCL1GB	47	10	5.0	*	.113	.096	.091
610693CK	UWX0G101MCL1GB	100	4	5.0	*	.113	.096	.091
610765CK	UWX1A101MCL1GB	100	10	6.3	*	.113	.096	.091
610714CK	UWX0G221MCL1GB	220	4	6.3	*	.146	.136	.104

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Tape

Aluminum Electrolytic Capacitors (Continued)

Operating Temperature Range: -40°C to +85°C

SALE

Individual



Other Manufacturers — Great Deals*

* Prepackaged: order in increments of 10, 100 or 500									
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing				
					1	10	100	500	
193244CK	SE3.3/50	3.3	50	4.0	*	\$.097	\$.088	\$.079	
193076CK	SE427/25	4.7	25	4.0	*	.134	.114	.086	
193252CK	SE4.7/50	4.7	50	5.0	*	.11	.096	.087	
192997CK	SE10/16	10	16	4.0	*	.14	.12	.11	
193084CK	SE10/25	10	25	5.0	*	.11	.097	.087	
193164CK	SE10/35	10	35	5.0	*	.099	.09	.082	
193261CK	SE10/50	10	50	6.3	*	.23	.168	.146	
192891CK	SE22/6.3	22	6.3	4.0	*	.065	.059	.054	
193009CK	SE22/16	22	16	5.0	*	.12	.11	.10	
193092CK	SE22/25	22	25	6.3	*	.12	.111	.099	
193172CK	SE22/35	22	35	6.3	*	.099	.09	.082	
193279CK	SE22/50	22	50	6.3	*	.16	.155	.09	
193017CK	SE33/16	33	16	5.0	*	.13	.118	.106	
193105CK	SE33/25	33	25	6.3	*	.14	.129	.116	
193181CK	SE33/35	33	35	8.0	*	.14	.13	.12	
193287CK	SE33/50	33	50	8.0	.24	.22	.20	.18	
193025CK	SE47/16	47	16	6.3	*	.12	.11	.10	
193113CK	SE47/25	47	25	6.3	*	.136	.122	.11	
193199CK	SE47/35	47	35	6.3	*	.099	.089	.08	

† Cross Reference: Panasonic: VS Series

* Capacitor dimensions and styles may vary.

* Prepackaged: order in increments of 10, 100 or 500									
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing				
					1	10	100	500	
193295CK	SE47/50	47	50	10.0	\$.27	\$.25	\$.23	\$.21	
192903CK	SE100/6.3	100	6.3	6.3	.22	.19	.152	.104	
193033CK	SE100/16	100	16	8.0	.25	.222	.20	.18	
193121CK	SE100/25	100	25	8.0	*	.136	.122	.11	
193201CK	SE100/35	100	35	10.0	.23	.20	.19	.17	
193308CK	SE100/50	100	50	10.0	.39	.36	.33	.30	
192962CK	SE220/10	220	10	8.0	.25	.24	.22	.20	
193041CK	SE220/16	220	16	8.0	\$.42	.34	.302	.272	.245
193130CK	SE220/25	220	25	10.0	.45	.40	.36	.33	
193316CK	SE220/50	220	50	10.0	.37	.34	.31	.28	
193050CK	SE330/16	330	16	10.0	\$.42	.33	.29	.261	.235
193148CK	SE330/25	330	25	8.0	.29	.24	.22	.20	
192920CK	SE470/6.3	470	6.3	8.0	.25	.21	.18	.17	
192971CK	SE470/10	470	10	8.0	.25	.23	.21	.19	
193068CK	SE470/16	470	16	10.0	.50	.45	.36	.27	
193156CK	SE470/25	470	25	10.0	.55	.47	.42	.39	
192938CK	SE1000/6.3	1000	6.3	10.0	.35	.30	.28	.25	
192989CK	SE1000/10	1000	10	10.0	.39	.35	.32	.29	
192946CK	SE1500/6.3	1500	6.3	10.0	.35	.31	.29	.26	

‡ Blue Part No. = Limited Quantity Available

JAMECO
ValuePro



Operating Temperature Range: -55°C to +105°C

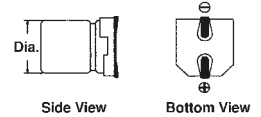
* Prepackaged: order in increments of 10, 100 or 500									
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing				
					1	10	100	500	
610431CK	UWT1H0R1MCL1GB	0.1	50	4.0	*	\$.116	\$.108	\$.098	
610440CK	UWT1H0R1MCL2GB	0.1	50	3.0	*	.116	.108	.098	
610546CK	UWT1HR22MCL1GB	0.22	50	4.0	*	.116	.108	.098	
610554CK	UWT1HR22MCL2GB	0.22	50	3.0	*	.116	.108	.098	
610562CK	UWT1HR33MCL1GB	0.33	50	4.0	*	.116	.108	.098	
610571CK	UWT1HR33MCL2GB	0.33	50	3.0	*	.116	.108	.098	
610589CK	UWT1HR47MCL1GB	0.47	50	4.0	*	.116	.108	.098	
610597CK	UWT1HR47MCL2GB	0.47	50	3.0	*	.116	.108	.098	
610423CK	UWT1H010MCL2GB	1	50	4.0	*	.116	.108	.098	
608631CK	UUD1H010MCL1GS	1	50	4.0	.42	.367	.343	.29	
610634CK	UWT1V2R2MCL2GB	2.2	35	4.0	*	.116	.108	.098	
610491CK	UWT1H2R2MCL1GB	2.2	50	4.0	*	.116	.108	.098	
610503CK	UWT1H2R2MCL2GB	2.2	50	3.0	*	.116	.108	.098	
608665CK	UUD1H2R2MCL1GS	2.2	50	4.0	.42	.367	.343	.29	
610669CK	UWT1V3R3MCL2GB	3.3	35	4.0	*	.134	.12	.098	
608681CK	UUD1H3R3MCL1GS	3.3	50	4.0	.42	.367	.343	.29	
610407CK	UWT1E4R7MCL1GB	4.7	25	4.0	*	.116	.108	.08	
610415CK	UWT1E4R7MCL2GB	4.7	25	3.0	*	.116	.108	.09	
610685CK	UWT1V4R7MCL1GB	4.7	35	4.0	*	.149	.12	.098	
608788CK	UUD1V4R7MCL1GS	4.7	35	4.0	.42	.367	.343	.29	
610538CK	UWT1H4R7MCL1GB	4.7	50	5.0	*	.149	.139	.118	
608702CK	UUD1H4R7MCL1GS	4.7	50	4.0	.47	.403	.386	.325	
610263CK	UWT1C100MCL1GB	10	16	4.0	*	.116	.108	.098	
610271CK	UWT1C100MCL2GB	10	16	3.0	*	.116	.108	.098	
610343CK	UWT1E100MCL1GB	10	25	5.0	.20	.164	.144	.096	
610600CK	UWT1V100MCL1GB	10	35	5.0	.20	.164	.144	.096	
608729CK	UUD1V100MCL1GS	10	35	5.0	.47	.413	.386	.326	
610458CK	UWT1H100MCL1GB	10	50	6.3	.20	.164	.152	.096	
608649CK	UUD1H100MCL1GS	10	50	6.3	.51	.431	.408	.352	
610108CK	UWTOG220MCL1GB	22	4	4.0	*	.116	.108	.098	
610167CK	UWTOJ220MCL1GB	22	6.3	4.0	*	.116	.108	.098	
610239CK	UWT1A220MCL1GB	22	10	4.0	*	.149	.139	.118	
608489CK	UUD1A220MCL1GS	22	10	4.0	.42	.367	.343	.29	
610298CK	UWT1C220MCL1GB	22	16	5.0	.20	.167	.144	.096	
610351CK	UWT1E220MCL1GB	22	25	5.0	.20	.177	.152	.096	
608577CK	UUD1E220MCL1GS	22	25	22.0	.47	.413	.386	.326	
610618CK	UWT1V220MCL1GB	22	35	6.3	.20	.177	.152	.096	
608745CK	UUD1V220MCL1GS	22	35	5.0	.47	.403	.386	.325	

† Cross Reference: Panasonic: VS Series

* Prepackaged: order in increments of 10, 100 or 500									
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing				
					1	10	100	500	
610474CK	UWT1H220MCL1GB	22	50	6.3	\$.26	\$.213	\$.184	\$.148	
610124CK	UWTOG330MCL1GB	33	4	4.0	*	.116	.108	.103	
610183CK	UWTOJ330MCL1GB	33	6.3	4.0	*	.116	.108	.103	
610247CK	UWT1A330MCL1GB	33	10	5.0	*	.149	.139	.118	
608497CK	UUD1A330MCL1GS	33	10	5.0	.47	.413	.386	.326	
610319CK	UWT1C330MCL1GB	33	16	5.0	.20	.167	.152	.096	
610360CK	UWT1E330MCL1GB	33	25	6.3	.20	.187	.152	.096	
608585CK	UUD1E330MCL1GS	33	25	6.3	.51	.447	.418	.352	
610642CK	UWT1V330MCL1GB	33	35	6.3	.26	.213	.184	.12	
608753CK	UUD1V330MCL1GS	33	35	6.3	.51	.447	.418	.352	
610511CK	UWT1H330MCL1GS	33	50	6.3	.27	.213	.199	.104	
608673CK	UUD1H330MCL1GS	33	50	6.3	.54	.472	.442	.224	
610204CK	UWTOJ470MCL1GB	47	6.3	5.0	*	.136	.127	.118	
608446CK	UUD0J470MCL1GS	47	6.3	5.0	.47	.413	.386	.326	
610255CK	UWT1A470MCL1GB	47	10	5.0	.20	.164	.152	.096	
610335CK	UWT1C470MCL1GB	47	16	6.3	.20	.177	.152	.096	
608534CK	UUD1C470MCL1GS	47	16	6.3	.51	.447	.418	.352	
610386CK	UWT1E470MCL1GB	47	25	6.3	.26	.213	.184	.148	
608606CK	UUD1E470MCL1GS	47	25	6.3	.51	.447	.418	.352	
610677CK	UWT1V470MCL1GB	47	35	6.3	.27	.213	.199	.168	
608770CK	UUD1V470MCL1GS	47	35	6.3	.51	.431	.408	.352	
610520CK	UWT1H470MCL1GS	47	50	6.3	.27	.213	.199	.112	
608690CK	UUD1H470MCL1GS	47	50	6.3	.53	.446	.424	.224	
608518CK	UUD1A680MCL1GS	68	10	—	.51	.447	.418	.352	
608542CK	UUD1C680MCL1GS	68	16	6.3	.51	.447	.418	.352	
608622CK	UUD1E680MCL1GS	68	25	6.3	.51	.447	.418	.352	
608796CK	UUD1V680MCL1GS	68	35	6.3	.54	.472	.442	.224	
608711CK	UUD1H680MCL1GS	68	50	8.0	.65	.57	.53	.269	
610095CK	UWTOG101MCL1GB	100	4	6.3	*	.146	.137	.118	
608403CK	UUD0J101MCL1GS	100	6.3	6.3	.51	.447	.418	.352	
610132CK	UWTOJ101MCL1GB	100	6.3	6.3	*	.146	.137	.118	
608462CK	UUD1A101MCL1GS	100	10	—	.51	.447	.418	.352	
610280CK	UWT1C101MCL1GB	100	16	6.3	.20	.177	.152	.096	
608569CK	UUD1E101MCL1GS	100	25	6.3	.54	.472	.442	.224	
608737CK	UUD1V101MCL1GS	100	35	8.0	.65	.57	.53	.269	
610466CK	UWT1H101MCL1GS	100	50	8.0	.33	.257	.24	.158	
608657CK	UUD1H101MCL1GS	100	50	8.0	.62	.518	.492	.269	
610116CK	UWTOG221MCL1GB	220	4	6.3	.26	.213	.184	.12	

Aluminum Electrolytic Capacitors

Leakage Current (20°C) after 2 minutes ≤ .01CV or 3μA



Operating Temperature Range: -55°C to +105°C (Continued)

Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610175CK	UWTOJ221MCL1GB	220	6.3	6.3	\$.22	\$.213	\$.16	\$.128
608438CK	UUD0J221MCL1GS	220	6.3	6.3	.51	.447	.418	.352
608526CK	UUD1C221MCL1GS	220	16	6.3	.54	.472	.442	.224
610301CK	UWT1C221MCL1GS	220	16	6.3	.27	.213	.199	.104
610626CK	UWT1V221MNL1GS	220	35	8.0	.34	.321	.248	.158
610482CK	UWT1H221MNL1GS	220	50	10.0	.43	.331	.31	.158
610191CK	UWTOJ331MCL1GS	330	6.3	6.3	.27	.213	.199	.122
610327CK	UWT1C331MNL1GS	330	16	8	.33	.257	.24	.158
610378CK	UWT1E331MNL1GS	330	25	8	.33	.257	.24	.158
608593CK	UUD1E331MNL1GS	330	25	8	.65	.57	.53	.269
610651CK	UWT1V331MNL1GS	330	35	10	.43	.331	.31	.272
608761CK	UUD1V331MNL1GS	330	35	10	.70	.61	.57	.289

Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610212CK	UWTOJ471MNL1GS	470	6.3	8	\$.33	\$.257	\$.24	\$.158
608500CK	UUD1A471MNL1GS	470	10	8	.65	.57	.53	.269
610394CK	UWT1E471MNL1GS	470	25	10	.43	.331	.31	.158
608614CK	UUD1E471MNL1GS	470	25	10	.70	.61	.57	.289
610221CK	UWTOJ681MNL1GS	680	6.3	8	.33	.257	.24	.158
608454CK	UUD0J681MNL1GS	680	6.3	8	.65	.57	.53	.269
608551CK	UUD1C681MNL1GS	680	16	10	.70	.61	.57	.289
610141CK	UWTOJ102MNL1GS	1000	6.3	8	.33	.257	.24	.158
608411CK	UUD0J102MNL1GS	1000	6.3	8	.65	.57	.53	.269
608471CK	UUD1A102MNL1GS	1000	10	10	.68	.58	.55	.289
610159CK	UWTOJ152MNL1GS	1500	6.3	10	.43	.331	.31	.155
608420CK	UUD0J152MNL1GS	1500	6.3	10	.70	.61	.57	.289

† Cross Reference: Panasonic: VS Series

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

Case Size (Dimensions in mm)



EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0









JAMCO		6.3V SMT		Pricing per each*			
ValuePro		Case					
Part No.	Capacitance	Size	10	100	500	1000	
597311CK	10μF	A	\$.38	\$.307	\$.292	\$.278	
545027CK	10μF	A	.275	.243	.194	.119	

JAMECO ValuePro		10V SMT		Pricing per each*			
Part No.	Capacitance	Case Size	10	100	500	1000	
545078CK	4.7μF	A	\$.134	\$.129	\$.122	\$.092	
597329CK	4.7μF	A	.38	.307	.292	.278	
545086CK	6.8μF	A	.266	.232	.219	.182	
597302CK	10μF	A	.323	.288	.255	.213	
545035CK	10μF	A	.172	.153	.138	.103	
545115CK	15μF	A	.326	.307	.30	.274	
545203CK	47μF	B	.444	.408	.367	.365	
545297CK	100μF	C	.73	.64	.55	.538	
597361CK	100μF	D	1.52	1.43	.69	.67	
545422CK	100μF	D	2.14	1.93	1.15	1.12	
545473CK	150μF	D	1.89	1.70	1.03	1.00	
597441CK	220μF	D	4.05	3.39	2.72	2.59	
545369CK	220μF	D	1.84	1.63	.87	.85	

JAMECO ValuePro		16V SMT		Pricing per each*			
Part No.	Capacitance	Case Size	10	100	500	1000	
544981CK	0.1μF	A	\$.19	\$.169	\$.154	\$.147	
545043CK	2.2μF	A	.247	.216	.185	.154	
545051CK	3.3μF	A	.134	.129	.122	.092	
545174CK	4.7μF	B	.272	.242	.221	.213	
597337CK	10μF	B	.56	.504	.405	.365	
545140CK	10μF	B	.168	.161	.152	.145	
545211CK	10μF	C	.326	.289	.138	.136	
597345CK	22μF	B	.475	.384	.365	.347	
545166CK	22μF	B	.208	.207	.206	.205	
545300CK	22μF	C	.60	.532	.327	.311	
597353CK	47μF	C	.99	.94	.75	.73	
545271CK	47μF	C	.60	.513	.295	.287	
597417CK	47μF	D	1.52	1.43	.88	.86	
545393CK	47μF	D	.57	.502	.29	.258	
597425CK	100μF	E	3.91	3.03	2.44	2.32	
545449CK	100μF	D	1.64	1.54	1.24	1.20	

JAMECO		50V SMT		Pricing per each*			
ValuePro			Case Size				
Part No.	Capacitance		10	100	500	1000	
544972CK	 0.1µF	A	\$.516	\$.456	\$.365	\$.304	
545414CK	 6.8µF	D	1.80	1.63	1.55	1.51	

JAMECO ValuePro			20V SMT		Pricing per each*			
Part No.	Capacitance	Case Size	10	100	500	1000		
544999CK	0.1µF	A	\$.237	\$.208	\$.194	\$.173		
545060CK	3.3µF	A	.285	.248	.231	.14		
545220CK	10µF	C	.316	.28	.148	.141		
597409CK	33µF	D	1.52	1.43	.88	.86		
545377CK	33µF	D	.516	.456	.26	.258		
545553CK	68µF	D	4.66	3.21	1.98	1.88		

JAMECO		25V SMT		Pricing per each*			
ValuePro			Case Size				
Part No.	Capacitance			10	100	500	1000
545001CK	 1μF	A		\$.247	\$.216	\$.203	\$.186
545289CK	 10μF	C		.60	.532	.258	.251
597396CK	 22μF	D	1.52	1.43	.88	.86	
545342CK	 22μF	D	.57	.502	.26	.258	
545406CK	 47μF	D	2.37	2.07	1.15	1.12	
545545CK	 33μF	D	3.35	2.41	1.94	1.85	

JAMECO		35V SMT		Pricing per each*			
ValuePro							
Part No.	Capacitance	Case Size	10	100	500	1000	
544964CK	0.1µF	A	\$.314	\$.302	\$.288	\$.216	
597290CK	1µF	A	.344	.304	.243	.20	
545131CK	1µF	B	.272	.242	.221	.203	
545158CK	2.2µF	B	.405	.39	.382	.374	
545254CK	2.2µF	C	.378	.334	.162	.158	
545262CK	3.3µF	C	.313	.284	.266	.20	
545385CK	4.7µF	D	.541	.491	.472	.449	
545238CK	10µF	C	.406	.369	.329	.328	
545326CK	10µF	D	.60	.532	.30	.298	
597388CK	15µF	D	1.52	1.43	.88	.86	
545334CK	15µF	D	.66	.60	.33	.328	
597433CK	22µF	D	3.95	3.12	2.51	2.39	
545351CK	22µF	D	1.32	1.17	.56	.545	

* Prepackaged: order in quantity increments shown

Plastic Flip Top Case for SMDs
See page 296.



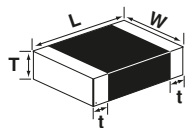
Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)

• Case sizes and photos are same as above

JAMECO ValuePro		10V SMT		Pricing per each*			
Part No.	Capacitance	Case Size	10	100	500	1000	
87021CK	⊕ 10μF	B	\$.258	\$.228	\$.181	\$.151	
597370CK	⌚ 10μF	D	1.64	1.45	.69	.67	
87119CK	⊕ 100μF	D	.92	.88	.83	.80	
Other Manufacturers — Great Deals							
87020CK	⊕ 10μF	B	\$.203	\$.15	\$.136	\$.102	
87118CK	⊕ 100μF	D	.80	.76	.73	.69	

JAMECO ValuePro 16V SMT			Pricing per each*			
Part No.	Capacitance	Case Size	10	100	500	1000
86933CK	⊕ 1μF	A	\$.19	\$.15	\$.11	\$.105
545246CK	⊗ 10μF	C	.275	.243	.138	.136
87039CK	⊕ 10μF	C	.32	.29	.25	.23
87101CK	⊕ 47μF	D	1.01	.90	.80	.70
Other Manufacturers — Great Deals						
86932CB	1μF	A	\$.148	\$.133	\$.107	Ⓢ\$.08
87038CK	10μF	C	.27	.24	.22	.18
87100CK	47μF	D	.73	.70	.66	.63

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Multilayer Ceramic Chip Capacitors

X7R Series (±10%)

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

JAMECO 0402 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543751CK	560pF	50	\$.078	\$.064	\$.061	\$.058
543734CK	1000pF	50	.087	.051	.03	.021
543769CK	.01µF	50	.088	.059	.048	.033

Other Manufacturers — Great Deals

646485CK	330pF	50	\$.231	\$.137	\$.079	\$.056
646493CK	390pF	50	.077	.046	.026	.018
646506CK	470pF	50	.231	.133	.079	.055
646514CK	560pF	50	.077	.046	.026	.018
646522CK	680pF	50	.077	.046	.026	.018
646531CK	820pF	50	.077	.046	.026	.018
646549CK	1000pF	50	.077	.046	.026	.018
646557CK	1200pF	50	.077	.046	.026	.018
646565CK	1500pF	50	.231	.137	.079	.055
646573CK	1800pF	50	.231	.137	.079	.055
646581CK	2200pF	50	.193	.114	.065	.046
646590CK	2700pF	50	.231	.137	.079	.055
646602CK	3300pF	50	.077	.046	.026	.018
646611CK	3900pF	50	.231	.137	.079	.055
646629CK	4700pF	50	.077	.046	.026	.018
646637CK	5600pF	50	.154	.091	.053	.036
646645CK	6800pF	50	.154	.091	.053	.036
646653CK	8200pF	50	.154	.091	.053	.036
646661CK	.01µF	16	.077	.046	.026	.018
646670CK	.012µF	16	.077	.046	.026	.018
646688CK	.015µF	16	.077	.046	.026	.018
646696CK	.018µF	16	.077	.046	.026	.018
646709CK	.022µF	16	.077	.046	.026	.018

JAMECO 0603 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544083CK	470pF	16	\$.095	\$.055	\$.04	\$.034
544041CK	1000pF	50	.074	.047	.024	.017
543831CK	1000pF	100	.087	.052	.03	.021
543857CK	2200pF	100	.165	.099	.04	.024
543865CK	3300pF	100	.15	.088	.04	.024
543873CK	4700pF	25	.126	.099	.057	.04
544059CK	.01µF	50	.079	.047	.024	.017
543849CK	.01µF	100	.279	.184	.123	.086
544067CK	.015µF	50	.087	.045	.03	.021
544075CK	.022µF	50	.087	.046	.037	.021
543881CK	.047µF	25	.091	.06	.054	.042
544091CK	.1µF	16	.079	.047	.024	.017

Other Manufacturers — Great Deals

649483CK	1000pF	50	\$.062	\$.036	\$.021	\$.015
649491CK	1200pF	50	.077	.046	.026	.018
649504CK	1500pF	50	.077	.046	.026	.018
649512CK	1800pF	50	.077	.046	.026	.018
649521CK	2200pF	50	.077	.046	.026	.018
649539CK	2700pF	50	.077	.046	.026	.018
649547CK	3300pF	50	.154	.091	.053	.036
649555CK	3900pF	50	.063	.046	.026	.018
649563CK	4700pF	50	.131	.077	.045	.031
649571CK	5600pF	50	.077	.046	.026	.018
649580CK	6800pF	50	.112	.087	.05	.035
649598CK	8200pF	50	.077	.046	.026	.018
649601CK	.01µF	50	.062	.036	.021	.015
649619CK	.012µF	50	.077	.046	.026	.018
649627CK	.015µF	50	.077	.046	.026	.018
649635CK	.018µF	50	.077	.046	.026	.018

0603 SMT (Continued)		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
649643CK	.022µF	50	\$.077	\$.046	\$.026	\$.018
649651CK	.027µF	50	.077	.046	.026	.018
649660CK	.033µF	50	.077	.046	.026	.018
649678CK	.039µF	50	.077	.046	.026	.018

JAMECO 0805 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544323CK	1000pF	50	\$.079	\$.051	\$.03	\$.021
544235CK	1000pF	200	.21	.20	.17	.146
544201CK	2200pF	100	.087	.051	.03	.021
544227CK	3300pF	100	.087	.052	.03	.021
544382CK	4700pF	50	.071	.051	.03	.021
87312CK	.01µF	50	.048	.029	.017	.01
544198CK	.01µF	100	.087	.051	.03	.021
544331CK	.01µF	50	.071	.051	.03	.021
544219CK	.022µF	100	.19	.125	.072	.037
544366CK	.033µF	50	.119	.104	.06	.042
544374CK	.039µF	50	.087	.051	.03	.021
544391CK	.047µF	50	.087	.051	.03	.021
544403CK	.068µF	50	.087	.051	.03	.021
544462CK	.1µF	16	.257	.24	.15	.073
87371CK	.1µF	25	.054	.033	.022	.016
544340CK	.1µF	50	.087	.051	.03	.021
544438CK	.22µF	16	.13	.077	.045	.031
544243CK	.22µF	25	.174	.104	.06	.042
544358CK	.22µF	50	.087	.051	.03	.021
544446CK	.33µF	16	.348	.208	.12	.084
544454CK	.47µF	16	.348	.208	.12	.084
544471CK	.1µF	10	.388	.376	.304	.178

Other Manufacturers — Great Deals

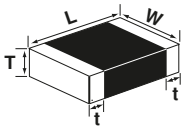
650257CK	3300pF	50	\$.077	\$.046	\$.026	\$.018
650265CK	3900pF	50	.07	.056	.053	.036
650273CK	4700pF	50	.07	.046	.026	.018
650281CK	5600pF	50	.154	.091	.053	.036
650290CK	6800pF	50	.154	.091	.053	.036
650302CK	8200pF	50	.162	.096	.055	.038
87311CK	.01µF	50	.047	.028	.016	.009
650311CK	.012µF	50	.077	.046	.026	.018
650329CK	.015µF	50	.119	.091	.053	.036
650337CK	.018µF	50	.154	.091	.053	.036
650345CK	.022µF	50	.077	.046	.026	.018
650353CK	.027µF	50	.077	.046	.026	.018
650361CK	.033µF	50	.105	.091	.053	.036
650370CK	.039µF	50	.077	.046	.026	.018
650388CK	.047µF	50	.077	.046	.026	.018
650396CK	.056µF	50	.077	.046	.026	.018
650409CK	.068µF	50	.077	.046	.026	.018
650417CK	.082µF	50	.077	.046	.026	.018
87370CK	.1µF	25	.048	.033	.022	.016
650425CK	.1µF	50	.077	.046	.026	.018
650433CK	.12µF	50	.154	.091	.053	.036
650441CK	.22µF	16	.116	.068	.039	.027
650450CK	.33µF	16	.182	.105	.073	.066
650468CK	.47µF	16	.182	.105	.073	.066
650476CK	.1µF	10	.329	.263	.182	.164

* Repackaged: order in quantity increments shown

JAMECO 1206 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544585CK	1000pF	100	\$.158	\$.144	\$.087	\$.037
544614CK	2000pF	100	.158	.144	.087	.035
544649CK	4700pF	100	.158	.144	.087	.035
87330CK	.01µF	50	.078	.047	.033	.024
544593CK	.01µF	100	.10	.085	.067	.05
544622CK	.022µF	100	.158	.144	.09	.031
544631CK	.033µF	100	.158	.144	.12	.035
544657CK	.047µF	100	.158	.144	.12	.035
544702CK	.1µF	50	.113	.097	.06	.042
87389CK	.1µF	50	.084	.055	.038	.037
544606CK	.1µF	100	.209	.182	.105	.073
87397CK	.22µF	25	.134	.095	.066	.059
544711CK	.22µF	50	.261	.156	.09	.067
544729CK	.33µF	50	.352	.312	.182	.082
544673CK	.47µF	25	.435	.26	.15	.105
544665CK	.1µF	25	.348	.208	.12	.084

Other Manufacturers — Great Deals

651137CK	1000pF	50	\$.14	\$.125	\$.072	\$.05
651145CK	1200pF	50	.212	.125	.072	.05
651153CK	1500pF	50	.212	.125	.072	.05
651161CK	1800pF	50	.212	.125	.072	.05
651170CK	2200pF	50	.154	.125	.072	.05
651188CK	3300pF	50	.14	.125	.072	.05
651196CK	3900pF	50	.212	.125	.072	.05
651209CK	4700pF	50	.14	.13	.092	.064
651217CK	5600pF	50	.212	.125	.072	.05
651225CK	6800pF	50	.126	.105	.072	.05
651233CK	8200pF	50	.212	.125	.072	.05
87329CK	⊕ .01μF	50	.074	.047	.031	.022
651241CK	.012μF	50	.223	.132	.076	.053
651250CK	.015μF	50	.223	.132	.076	.053
651268CK	.018μF	50	.223	.132	.076	.053
651276CK	.022μF	50	.161	.132	.076	.053
651284CK	.027μF	50	.161	.132	.076	.053
651292CK	.033μF	50	.14	.126	.076	.053
651305CK	.039μF	50	.223	.132	.076	.053
651313CK	.047μF	50	.14	.126	.076	.053
651321CK	.056μF	50	.246	.146	.084	.058
651330CK	.068μF	50	.246	.146	.084	.058
651348CK	.082μF	50	.246	.146	.084	.058
87388CK	⊕ .1μF	50	.049	.029	.019	.016
651356CK	.12μF	50	.231	.137	.079	.055
651364CK	.15μF	50	.231	.137	.079	.055
651372CK	.18μF	50	.231	.137	.079	.055
87396CK	⊕ .22μF	25	.134	.095	.086	.077
651381CK	⊕ .22μF	50	.231	.137	.079	.055
651399CK	.27μF	50	.182	.105	.073	.066
651401CK	⊕ .33μF	50	.306	.281	.164	.114
651410CK	.47μF	50	.228	.131	.091	.082
651436CK	1μF	16	.399	.26	.18	.162
651428CK	⊕ 1μF	25	.182	.105	.073	.066
651444CK	2.2μF	10	.55	.315	.218	.196



Multilayer Ceramic Chip Capacitors

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

X7R Series (±10%) (Continued)

JAMECO ValuePro		1210 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544770CK	.1µF	50	\$.238	\$.224	\$.194	\$.13	
544761CK	.1µF	100	.238	.224	.15	.104	
544788CK	.22µF	50	.323	.304	.188	.131	
544796CK	.47µF	50	.63	.57	.334	.163	
Other Manufacturers — Great Deals							
651612CK	.1µF	50	\$.224	\$.196	\$.176	\$.112	
651621CK	.15µF	50	.28	.16	.11	.10	
651639CK	.22µF	50	.27	.16	.11	.10	
651647CK	.33µF	50	.46	.29	.20	.18	
651655CK	.47µF	50	.50	.29	.20	.18	
651663CK	1µF	50	.57	.46	.32	.29	
651671CK	2.2µF	25	1.34	.93	.534	.481	
651680CK	4.7µF	16	1.15	.92	.59	.53	
651701CK	4.7µF	25	1.31	.78	.45	.405	
651698CK	10µF	10	1.21	.70	.33	.30	

JAMECO ValuePro		1812 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544817CK	1µF	50	\$ 1.40	\$ 1.32	\$.77	\$.372	

COG Series (±5%)

JAMECO ValuePro		0603 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
543785CK	10pF	100	\$.165	\$.099	\$.057	\$.04	
543806CK	22pF	100	.087	.052	.03	.021	
543814CK	33pF	100	.087	.052	.03	.021	
543793CK	100pF	100	.087	.052	.03	.021	
543988CK	270pF	50	.087	.052	.03	.021	
544008CK	330pF	50	.131	.104	.06	.042	
543822CK	680pF	100	.087	.052	.029	.025	

JAMECO ValuePro		0805 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544121CK	10pF	100	\$.079	\$.071	\$.06	\$.042	
544155CK	15pF	100	.134	.104	.06	.042	
544286CK	270pF	50	.134	.104	.06	.042	
544294CK	330pF	50	.087	.051	.03	.021	
544307CK	470pF	50	.104	.062	.036	.025	
544315CK	680pF	50	.15	.104	.06	.042	
544260CK	1000pF	50	.169	.154	.15	.146	
544147CK	1000pF	100	.19	.156	.09	.062	
544278CK	2200pF	50	.235	.14	.081	.056	

JAMECO ValuePro		1206 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544551CK	330pF	100	\$.19	\$.176	\$.144	\$.122	
544681CK	1000pF	50	.257	.24	.14	.063	
544690CK	2200pF	50	.286	.272	.16	.062	

NPO Temp Series (±10%)

JAMECO ValuePro		0402 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
543726CK	100pF	50	\$.198	\$.13	\$.064	\$.052	
543742CK	220pF	50	.198	.13	.064	.052	

X5R Series (±10%)

JAMECO ValuePro		0603 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544104CK	1µF	10	\$.139	\$.083	\$.041	\$.034	
Other Manufacturers — Great Deals							
649686CK	.1µF	25	\$.205	\$.159	\$.092	\$.064	
649707CK	.22µF	16	.267	.182	.105	.073	
649694CK	.22µF	25	.288	.205	.118	.082	
649715CK	.33µF	16	.131	.077	.045	.031	
649723CK	.47µF	16	.131	.077	.045	.031	
649758CK	1µF	6.3	.35	.273	.158	.109	
649740CK	1µF	10	.042	.032	.023	.014	
649731CK	1µF	16	.154	.091	.053	.036	
649766CK	2.2µF	6.3	.267	.182	.105	.073	
649774CK	4.7µF	6.3	.45	.364	.146	.125	

JAMECO ValuePro		0805 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544489CK	2.2µF	10	\$.348	\$.208	\$.122	\$.084	
544420CK	4.7µF	6.3	.478	.286	.167	.116	
544411CK	10µF	6.3	.211	.186	.177	.168	
Other Manufacturers — Great Deals							
650484CK	.33µF	25	\$.467	\$.341	\$.197	\$.137	
650492CK	.47µF	25	.467	.36	.144	.099	
650530CK	1µF	10	.27	.182	.105	.073	
650513CK	1µF	16	.193	.114	.066	.046	
650505CK	1µF	25	.65	.50	.289	.20	
650548CK	2.2µF	10	.257	.182	.105	.073	
650521CK	2.2µF	16	.57	.41	.236	.164	
650556CK	3.3µF	10	.357	.273	.158	.109	
650572CK	4.7µF	6.3	.25	.14	.10	.09	
650564CK	4.7µF	10	.357	.296	.171	.118	
650581CK	10µF	6.3	.46	.26	.18	.16	

JAMECO ValuePro		1206 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544753CK	4.7µF	10	\$.56	\$.468	\$.273	\$.19	
Other Manufacturers — Great Deals							
651479CK	2.2µF	16	.41	.236	.164	.148	
651452CK	2.2µF	25	.364	.21	.146	.131	
651508CK	4.7µF	10	.41	.236	.164	.148	
651487CK	4.7µF	16	1.10	.84	.486	.437	
651461CK	4.7µF	25	.455	.263	.182	.164	
651532CK	10µF	6.3	.84	.59	.341	.237	
651516CK	10µF	10	.50	.289	.20	.18	
651495CK	10µF	16	1.48	.87	.50	.475	
651524CK	22µF	6.3	1.02	.59	.54	.513	

JAMECO ValuePro		1210 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000	
544809CK	10µF	10	\$ 1.80	\$ 1.08	\$.62	\$.432	
Other Manufacturers — Great Deals							
651727CK	4.7µF	16	\$.73	\$.42	\$.29	\$.26	
651786CK	10µF	10	1.62	.97	.56	.504	
651735CK	10µF	16	1.09	.63	.437	.393	
651719CK	10µF	25	1.01	.60	.42	.38	
651751CK	22µF	6.3	3.01	2.53	1.04	.94	
651794CK	22µF	10	2.54	1.52	.88	.80	
651743CK	22µF	16	1.98	1.75	1.17	1.05	
651760CK	47µF	6.3	1.69	1.63	1.55	1.47	
651778CK	100µF	6.3	5.62	3.37	1.95	1.75	

X5R Series (±10%) (Continued)

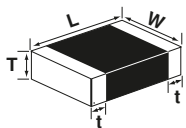
1812 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
651831CK	1µF	50	\$1.26	\$1.19	\$.70	\$.63
651840CK	10µF	25	2.42	1.97	1.77	1.58
651858CK	22µF	10	2.62	1.97	1.77	1.58
651866CK	47µF	6.3	5.94	3.56	3.20	2.88
651874CK	100µF	6.3	2.19	2.01	1.81	1.63

* Prepackaged: order in quantity increments shown

NPO Temp Series (±5%)

0402 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
645984CK	1pF	50	\$.077	\$.046	\$.026	\$.018
645992CK	2.2pF	50	.231	.133	.079	.055
646004CK	3.3pF	50	.231	.133	.079	.055
646012CK	3.9pF	50	.231	.133	.105	.073
646021CK	4.7pF	50	.231	.133	.105	.073
646039CK	5.6pF	50	.231	.133	.079	.055
646047CK	6.8pF	50	.231	.133	.105	.073
646055CK	8.2pF	50	.231	.137	.079	.055
646063CK	10pF	50	.077	.046	.026	.018
646071CK	15pF	50	.077	.046	.026	.018
646080CK	18pF	50	.077	.046	.026	.018
646098CK	22pF	50	.077	.046	.026	.018
646101CK	27pF	50	.077	.046	.026	.018
646119CK	33pF	50	.077	.046	.026	.018
646127CK	39pF	50	.077	.046	.026	.018
646135CK	47pF	50	.077	.046	.026	.018
646143CK	56pF	50	.077	.046	.026	.018
646151CK	68pF	50	.077	.046	.026	.018
646160CK	82pF	50	.231	.137	.079	.055
646178CK	100pF	50	.193	.114	.065	.046
646186CK	120pF	50	.077	.046	.026	.018
646194CK	150pF	50	.046	.035	.026	.018
646207CK	180pF	50	.077	.046	.026	.018
646215CK	220pF	50	.231	.137	.079	.055

JAMICO		0603 SMT		Pricing per each *			
ValuePro							
Part No.	Capacitance	Volt.	10	100	500	1000	
543902CK	10pF	50	\$.074	\$.063	\$.04	\$.024	
543911CK	12pF	50	.131	.055	.044	.031	
543937CK	15pF	50	.074	.059	.03	.021	
543953CK	18pF	50	.074	.063	.04	.024	
543961CK	22pF	50	.074	.059	.03	.021	
543996CK	33pF	50	.074	.063	.04	.024	
544016CK	39pF	50	.074	.063	.04	.034	
544024CK	47pF	50	.087	.051	.03	.021	
544032CK	82pF	50	.165	.099	.057	.04	
543929CK	120pF	50	.074	.063	.04	.024	
543945CK	150pF	50	.082	.059	.03	.021	
543970CK	220pF	50	.082	.069	.049	.037	
Other Manufacturers — Great Deals							
646725CK	1pF	50	\$.14	\$.087	\$.05	\$.035	
646733CK	2.2pF	50	.133	.077	.05	.035	
646741CK	3.3pF	50	.146	.087	.05	.021	
646750CK	3.9pF	50	.146	.087	.05	.035	
646768CK	4.7pF	50	.146	.087	.05	.035	
646776CK	5.6pF	50	.146	.087	.05	.035	
646784CK	6.8pF	50	.146	.087	.05	.035	
646792CK	8.2pF	50	.146	.087	.05	.035	



Multilayer Ceramic Chip Capacitors

NPO Temp Series (±5%) (Continued)

0603 SMT (Continued)		Pricing per each*					
Part No.	Capacitance	Volt.	10	100	500	1000	
Other Manufacturers — Great Deals							
646805CK	10pF	50	\$.131	\$.077	\$.045	\$.021	
646813CK	15pF	50	.077	.046	.026	.018	
646821CK	18pF	50	.133	.077	.05	.021	
646830CK	22pF	50	.077	.053	.046	.018	
646848CK	27pF	50	.077	.046	.026	.018	
646856CK	33pF	50	.116	.068	.039	.021	
646864CK	39pF	50	.133	.077	.05	.031	
646872CK	47pF	50	.077	.046	.026	.018	
646881CK	56pF	50	.146	.087	.05	.035	
646899CK	68pF	50	.154	.091	.053	.021	
646901CK	82pF	50	.146	.087	.05	.035	
646910CK	100pF	50	.077	.046	.026	.018	
646928CK	120pF	50	.154	.091	.053	.021	
646936CK	150pF	50	.077	.046	.026	.018	
646944CK	180pF	50	.077	.046	.026	.018	
646952CK	220pF	50	.154	.091	.053	.036	
646961CK	270pF	50	.077	.046	.026	.018	
646979CK	330pF	50	.154	.091	.053	.036	
646987CK	390pF	50	.147	.091	.053	.035	
646995CK	470pF	50	.077	.046	.026	.018	
647007CK	560pF	50	.154	.091	.053	.036	
647015CK	680pF	50	.154	.091	.053	.036	
647023CK	820pF	50	.193	.114	.066	.046	
647031CK	1000pF	50	.077	.046	.026	.018	

JAMECO ValuePro 0805 SMT		Pricing per each*					
Part No.	Capacitance	Volt.	10	100	500	1000	
544171CK	47pF	100	\$.079	\$.072	\$.06	\$.042	
544251CK	100pF	50	.087	.051	.03	.021	
544139CK	100pF	100	.079	.071	.06	.042	
544163CK	220pF	100	.134	.12	.081	.056	
544180CK	470pF	100	.134	.104	.06	.042	
Other Manufacturers — Great Deals							
649900CK	1pF	50	\$.07	\$.056	\$.053	\$.036	
649918CK	2.2pF	50	.162	.096	.055	.038	
649926CK	3.3pF	50	.162	.096	.055	.038	
649934CK	3.9pF	50	.162	.096	.055	.038	
649942CK	4.7pF	50	.126	.096	.055	.038	
649951CK	5.6pF	50	.126	.096	.055	.038	
649969CK	6.8pF	50	.126	.096	.055	.038	
649977CK	8.2pF	50	.126	.096	.055	.038	
649985CK	10pF	50	.07	.046	.026	.018	
649993CK	15pF	50	.07	.046	.026	.018	
650003CK	18pF	50	.07	.046	.026	.018	
650011CK	22pF	50	.07	.046	.026	.018	
650020CK	27pF	50	.07	.046	.026	.018	
650038CK	33pF	50	.07	.046	.026	.018	
650046CK	39pF	50	.07	.046	.026	.018	
650054CK	47pF	50	.07	.046	.026	.018	
650062CK	56pF	50	.07	.046	.026	.018	
650071CK	68pF	50	.07	.046	.026	.018	
650089CK	82pF	50	.077	.046	.026	.018	
650097CK	100pF	50	.077	.046	.026	.018	
650100CK	120pF	50	.077	.046	.026	.018	
650118CK	150pF	50	.077	.046	.026	.018	
650126CK	180pF	50	.116	.068	.039	.027	
650134CK	220pF	50	.077	.046	.026	.018	
650142CK	270pF	50	.119	.091	.053	.036	
650151CK	330pF	50	.077	.046	.026	.018	
650169CK	390pF	50	.092	.055	.032	.022	
650177CK	470pF	50	.092	.055	.032	.022	
650185CK	560pF	50	.116	.068	.039	.027	

0805 SMT (Continued)		Pricing per each*					
Part No.	Capacitance	Volt.	10	100	500	1000	
Other Manufacturers — Great Deals							
650193CK	680pF	50	\$.133	\$.091	\$.053	\$.036	
650206CK	820pF	50	.116	.068	.039	.027	
650214CK	1000pF	50	.154	.091	.053	.036	
650222CK	1500pF	50	.208	.123	.071	.049	
650231CK	2200pF	50	.208	.123	.071	.049	
650249CK	3300pF	50	.43	.257	.151	.104	

JAMECO ValuePro 1206 SMT		Pricing per each*					
Part No.	Capacitance	Volt.	10	100	500	1000	
544497CK	10pF	100	\$.19	\$.176	\$.144	\$.122	
544526CK	15pF	100	.276	.256	.191	.064	
544534CK	22pF	100	.19	.176	.144	.122	
544542CK	33pF	100	.342	.248	.144	.043	
544569CK	47pF	100	.19	.176	.144	.122	
544500CK	100pF	100	.19	.176	.144	.122	
544577CK	680pF	100	.257	.24	.14	.059	
544518CK	1000pF	100	.257	.24	.211	.169	

Other Manufacturers — Great Deals							
650716CK	1pF	50	\$.246	\$.146	\$.084	\$.058	
650724CK	2.2pF	50	.246	.146	.084	.058	
650732CK	3.3pF	50	.246	.146	.084	.058	
650741CK	3.9pF	50	.246	.146	.084	.058	
650759CK	4.7pF	50	.246	.146	.084	.05	
650767CK	5.6pF	50	.246	.146	.084	.058	
650775CK	6.8pF	50	.246	.146	.084	.058	
650783CK	8.2pF	50	.147	.126	.084	.058	
650791CK	10pF	50	.175	.154	.10	.069	
650804CK	15pF	50	.189	.168	.10	.069	
650812CK	18pF	50	.297	.178	.104	.072	
650821CK	22pF	50	.175	.153	.088	.061	
650839CK	27pF	50	.297	.178	.104	.072	
650847CK	33pF	50	.175	.154	.10	.069	
650855CK	39pF	50	.189	.168	.10	.069	
650863CK	47pF	50	.175	.154	.10	.069	
650871CK	56pF	50	.245	.178	.104	.056	
650880CK	68pF	50	.189	.168	.10	.069	
650898CK	82pF	50	.297	.178	.104	.072	
650901CK	100pF	50	.175	.154	.10	.069	
650919CK	120pF	50	.259	.173	.10	.069	
650927CK	150pF	50	.259	.214	.123	.086	
650935CK	180pF	50	.245	.18	.126	.069	
650943CK	220pF	50	.175	.154	.123	.086	
650951CK	270pF	50	.364	.218	.126	.088	
650960CK	330pF	50	.175	.154	.123	.086	
650978CK	390pF	50	.364	.218	.126	.088	
650986CK	470pF	50	.238	.21	.122	.085	
650994CK	560pF	50	.364	.218	.126	.088	
651006CK	680pF	50	.259	.212	.122	.085	
651014CK	820pF	50	.364	.218	.126	.088	
651022CK	1000pF	50	.238	.21	.122	.085	
651031CK	1200pF	50	.39	.233	.135	.095	
651049CK	1500pF	50	.39	.223	.135	.095	
651057CK	1800pF	50	.469	.281	.164	.114	
651065CK	2200pF	50	.265	.245	.143	.101	
651073CK	2700pF	50	.098	.084	.079	.07	
651081CK	3300pF	50	.405	.295	.172	.08	
651090CK	3900pF	50	.416	.249	.144	.101	
651102CK	4700pF	50	.416	.295	.172	.12	
651111CK	5600pF	50	.416	.295	.172	.12	
651129CK	.01µF	25	.387	.223	.192	.155	

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

Z5U Series (±20%)

JAMECO ValuePro 0805 SMT		Pricing per each*					
Part No.	Capacitance	Voltage	100	500	1000	5000	
87177CK	.1µF	50	\$.035	\$.033	\$.028	\$.024	

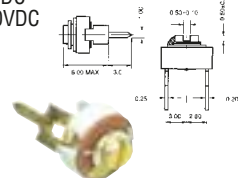
JAMECO ValuePro 1206 SMT		Pricing per each*					
Part No.	Capacitance	Voltage	100	500	1000	5000	
87185CK	.1µF	50	\$.072	\$.062	\$.044	\$.035	
87206CK	.22µF	50	.081	.053	.044	.033	
87222CK	.47µF	50	.225	.198	.171	.153	

* Prepackaged: order in quantity increments shown



5mm Ceramic Trimmer Capacitor

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm
- Operating temperature range: -30°C~+85°C
- Insulation resistance: >10MΩ min. @ 250VDC
- Q Factor @ 1MHz: >200



Quantity SAVE

Part No.	Capacitance Range (pF)	Color Codes	Pricing			
			1	10	100	1000
136979CK	9.0-50.0	Green	\$.89	\$.80	\$.64	\$.48



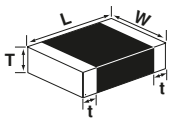
8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40-200 g-cm
- Operating temperature range: -55°C~+85°C
- Insulation resistance: 10MΩ min. @ 250VDC
- Q Factor @ 1MHz: 134819CK/32838CK/134818CK: >300
32854CK/94449CK/94465CK: >200

134818CK



Part No.	Capacitance Range (pF)	Color Codes	Pricing			
			1	10	100	1000
134819CK	3.5-13.0	Ivory	\$.49	\$.39	\$.39	\$.36
32838CK	4.0-34.0 ☺	Yellow	.99	.84	.77	.58
32854CK	6.0-70.0 ☺	None	.92	.78	.72	.68
94449CK	8.5-100.0	Purple	1.05	.94	.76	.57
94465CK	8.5-120 ☺	None	.99	.79	.65	.59



Multilayer Ceramic Chip Capacitors



SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210
L	1.0	1.6	2.0	3.2	3.2
W	0.5	0.81	1.25	1.6	2.5
T	1.02	1.02	0.065	1.55	1.02
t	0.25	0.35	0.25	0.5	0.5

X5V Series (+80%, -20%)

JAMECO ValuePro	0402 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543777CK	0.1uF	16	\$.163	\$.104	\$.099	\$.099

Y5V Series (±20%)

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
649782CK	0.01uF	50	\$.063	\$.046	\$.026	\$.018
649838CK	0.1uF	25	.077	.046	.018	.026
649846CK	0.15uF	25	.154	.091	.053	.036
649854CK	0.22uF	25	.077	.046	.026	.018
649791CK	0.22uF	50	.077	.046	.026	.018
649862CK	0.33uF	25	.154	.091	.053	.036
649803CK	0.33uF	50	.077	.046	.026	.018
649871CK	0.47uF	16	.077	.046	.026	.018
649811CK	0.47uF	50	.077	.046	.026	.018
649820CK	0.68uF	50	.077	.046	.026	.018
649897CK	1uF	10	.077	.042	.026	.018
649898CK	1uF	16	.077	.046	.026	.018

Y5V Series (+80%, -20%)

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543890CK	0.1uF	25	\$.087	\$.052	\$.03	\$.021
544112CK	1uF	10	.087	.051	.03	.021

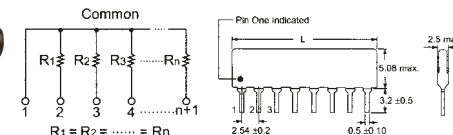
* Prepackaged: order in quantity increments shown

6, 8, and 10-Pin Based Single-In-Line "SIP" Resistor Networks (±2%)



- Miniature, high density packaging
- Operating temperature range: -55°C to +125°C
- Temperature coefficient range: ±100ppm/°C: 50Ω – 1.0MΩ; ±250ppm/°C: <50Ω or >1.0M
- Rating ambient temperature: +70°C
- Wattage/element: 1/8 Watt
- Max. working voltage: 100V
- Prepackaged: order in increments of 10

To order, replace "xxx" in the Part No. with the value to the right (e.g. - 4608X-1-512CK for a 5.1kΩ 8-pin device).	10Ω — 100 22Ω — 220 27Ω — 270 33Ω — 330 39Ω — 390 47Ω — 470 51Ω — 510 56Ω — 560 68Ω — 680 82Ω — 820 100Ω — 101	120Ω — 121 150Ω — 151 180Ω — 181 220Ω — 221 270Ω — 271 330Ω — 331 390Ω — 391 470Ω — 471 510Ω — 511 560Ω — 561 820Ω — 821	1kΩ — 102 1.2kΩ — 122 1.5kΩ — 152 1.8kΩ — 182 2.0kΩ — 202 2.2kΩ — 222 2.7kΩ — 272 3.3kΩ — 332 3.9kΩ — 392 4.7kΩ — 472 5.1kΩ — 512	5.6kΩ — 562 6.8kΩ — 682 8.2kΩ — 822 10kΩ — 103 12kΩ — 123 15kΩ — 153 18kΩ — 183 20kΩ — 203 22kΩ — 223 27kΩ — 273 33kΩ — 333	39kΩ — 393 47kΩ — 473 56kΩ — 563 68kΩ — 683 82kΩ — 823 100kΩ — 104 120kΩ — 124 150kΩ — 154 180kΩ — 184 220kΩ — 224 270kΩ — 274	330kΩ — 334 390kΩ — 394 470kΩ — 474 560kΩ — 564 680kΩ — 684 820kΩ — 824 1MΩ — 105
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Series	4606X	4608X	4610X
Part No.	4606X-1-xxxCK	4608X-1-xxxCK	4610X-1-xxxCK
Pins	6-Pin	8-Pin	10-Pin
10 pcs.	\$.14	\$.19	\$.23
100 pcs.	\$.085	\$.122	\$.16
500 pcs.	\$.076	\$.114	\$.14
1000 pcs.	\$.071	\$.105	\$.13

Y5V Series (+80%, -20%)

0805 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
650599CK	0.01uF	50	\$.077	\$.046	\$.026	\$.018
650601CK	0.022uF	50	.077	.046	.026	.018
650610CK	0.047uF	50	.077	.046	.026	.018
650644CK	0.10uF	25	.077	.046	.026	.018
650628CK	0.10uF	50	.077	.046	.026	.018
650652CK	0.22uF	25	.116	.068	.039	.027
650636CK	0.22uF	50	.116	.068	.039	.027
650661CK	0.47uF	25	.154	.091	.053	.036
650687CK	1uF	16	.238	.137	.079	.055
650679CK	1uF	25	.231	.137	.079	.055
650695CK	2.2uF	16	.501	.296	.171	.118
650708CK	4.7uF	10	.65	.387	.223	.155

JAMECO ValuePro	1206 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544737CK	1uF	50	\$.304	\$.182	\$.106	\$.074
544745CK	4.7uF	16	.70	.416	.243	.169
651541CK	0.10uF	50	\$.231	\$.137	\$.079	\$.055
651559CK	0.22uF	50	.424	.25	.144	.10
651567CK	0.47uF	50	.347	.205	.118	.082
651575CK	1uF	50	.27	.159	.092	.064
651583CK	2.2uF	25	.385	.228	.131	.091
651591CK	4.7uF	16	.62	.364	.21	.146
651604CK	10uF	10	.77	.455	.263	.182

JAMECO ValuePro	1210 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
651815CK	10uF	16	\$ 2.08	\$ 1.23	\$.71	\$.491
651823CK	22uF	10	2.09	1.05	1.04	.72

0805 Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 Pieces Total



Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.2M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.1M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

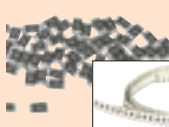
- Size (mm): 2.0L x 1.25W x 0.5Thick
- Max. overload voltage: 200V
- 1/8 watts
- Operating temperature: -50°C to 120°C
- Case size (two cases): 10.5"L x 6.7"W x 1.7"T
- Weight: 1.9 lbs.

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806CK	16-500	\$79.95	\$71.95	\$64.79

1206 Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total



Value Chart (Ohms)

10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55°C to +125°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H

Part No.	Cross Ref. No.	1	10	25
156881CK	SMR1206SB	\$99.99	\$89.99	\$79.99

Don't Resist Surface Mounts!



There was a time when I thought working with a surface mount board was completely impossible. Tiny little devices, incompatibly big & bulky tools, my "30+" year old eyesight and more always steered me away.

OK, the devices aren't any bigger and now I use a magnifying light like the ones on page 283, but I do find myself enjoying SMD work! New, affordable tools are available, like the tweezer-action soldering iron on page 285. Its tiny tips make soldering and de-soldering a snap! Plus I use the tip to pick up and place the devices so my "40+" fingers don't have to fumble with the devices as much.

Practical Practices
 Money Saving Tips for the Engineer

1/4-Watt Carbon Film Resistors (±5%)



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

 To order: Use 5-digit part number adjacent to ohms in chart below
 Values may not be combined for quantity price breaks

Pricing Per Bag (One bag contains 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart below)	\$.99/bag	\$.57/bag	\$.49/bag	\$.46/bag

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Description (Including bulk pack values)	1	10	25
10719CK	5 ea. 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.)	\$9.95	\$8.95	\$7.95
103165CK	10 ea. 24 values marked (●) & 50 ea. 6 values marked (✱) (540 pcs.)	12.95	11.49	9.95
10663CK	100 ea. 27 values marked (▲) (2,700 pcs.)	24.95	22.49	20.49
10655CK	100 ea. 160 values (all resistor values in the chart below) (16,000 pcs.)	119.95	107.95	96.95
81832CK	1/4-watt resistor component cabinet kit - 30 values (540 pcs.), pg 95	27.95	24.95	22.49

*▲ see above

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
30293CK	2.2	59192CK	15	29946CK	100	31499CK	680	31026CK	4.7k	30841CK	33k	30525CK	220k	29778CK	1.5M
30349CK	2.4	30197CK	16	30040CK	110	31561CK	750	31237CK	5.1k	30912CK	36k	30576CK	240k	29794CK	1.6M
30373CK	2.7	30234CK	18	30082CK	120	31624CK	820	31270CK	5.6k	30955CK	39k	30613CK	270k	29815CK	1.8M
30621CK	3.0	30411CK	20	30120CK	130	31691CK	910	31405CK	6.2k	31077CK	43k	30808CK	300k	30285CK	2.0M
30656CK	3.3	65736CK	22	30162CK	150	29663CK	1.0k	31430CK	6.8k	31149CK	47k	30883CK	330k	30331CK	2.2M
30699CK	3.6	30541CK	24	59248CK	160	29719CK	1.1k	31536CK	7.5k	31309CK	51k	30939CK	360k	30365CK	2.4M
30728CK	3.9	30584CK	27	59281CK	180	29735CK	1.2k	31595CK	8.2k	31350CK	56k	30971CK	390k	30402CK	2.7M
30980CK	4.3	30752CK	30	59424CK	200	58931CK	1.3k	60353CK	9.1k	31456CK	62k	31093CK	430k	30648CK	3.0M
59811CK	4.7	30824CK	33	30470CK	220	29760CK	1.5k	29911CK	10k	31481CK	68k	31202CK	470k	30681CK	3.3M
31211CK	5.1	30904CK	36	30568CK	240	29786CK	1.6k	30031CK	11k	31552CK	75k	31325CK	510k	30710CK	3.6M
31253CK	5.6	59723CK	39	30605CK	270	29807CK	1.8k	30074CK	12k	31616CK	82k	31384CK	560k	30744CK	3.9M
31392CK	6.2	31069CK	43	30795CK	300	30277CK	2.0k	30111CK	13k	31683CK	91k	31472CK	620k	31051CK	4.7M
31421CK	6.8	31106CK	47	30867CK	330	30314CK	2.2k	30146CK	15k	29997CK	100k	31501CK	680k	31245CK	5.1M
31528CK	7.5	31296CK	51	30921CK	360	30357CK	2.4k	30200CK	16k	30058CK	110k	31579CK	750k	59934CK	5.6M
31587CK	8.2	31341CK	56	30963CK	390	30390CK	2.7k	30242CK	18k	30091CK	120k	31632CK	820k	31413CK	6.2M
31641CK	9.1	60089CK	62	31085CK	430	30630CK	3.0k	30429CK	20k	30138CK	130k	31704CK	910k	31448CK	6.8M
29882CK	10	60134CK	68	31165CK	470	30672CK	3.3k	30453CK	22k	30171CK	150k	29698CK	1.0M	60206CK	7.5M
59061CK	11	60222CK	75	31317CK	510	30701CK	3.6k	30550CK	24k	30226CK	160k	29727CK	1.1M	31608CK	8.2M
30066CK	12	60302CK	82	31376CK	560	30736CK	3.9k	30592CK	27k	30269CK	180k	29743CK	1.2M	31667CK	9.1M
30103CK	13	31675CK	91	31464CK	620	59782CK	4.3k	30779CK	30k	30437CK	200k	29751CK	1.3M	29938CK	10M



Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

 To order: Use 5-digit part number adjacent to ohms in chart below.
 Values may not be combined for quantity price breaks

Pricing Per Bag (One bag contains 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	5 Bags	10 Bags	20 Bags
(see Standard Resistor Values Chart below)	\$2.80/bag	\$1.90/bag	\$1.40/bag	\$1.30/bag

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Part No.	Cross Ref. No.	Values Included	Description (see chart on left)	Pricing	
				1	10
107852CK	ASST1230	✱	10 ea. of 24 values marked by ✱ and 50 ea. of 6 values marked by # (540 pcs.)	\$14.95	\$13.49
107844CK	ASST1227	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107836CK	ASST1270	—	5 ea. of 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.) (see chart below)	10.95	9.95
107879CK	CAB12R	—	1/2-watt resistor component cabinet kit - 30 values (540 pcs.), see page 95	29.95	26.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577CK	⚡ 1.0	659796CK	⚡ 8.2	661221CK	⚡ 68	661431CK	⚡ 510	661642CK	⚡ 3.6k	661853CK ✕	⚡ 27k	662063CK	⚡ 200k	662274CK	⚡ 1.5M
659585CK	⚡ 1.1	659809CK	⚡ 9.1	661239CK	⚡ 75	661440CK	⚡ 560	661651CK	⚡ 3.9k	661861CK	⚡ 30k	662071CK	⚡ 220k	662282CK	⚡ 1.6M
659593CK	⚡ 1.2	659817CK ✓✕	⚡ 10	661247CK	⚡ 82	661458CK	⚡ 620	661669CK	⚡ 4.3k	661870CK ✓✕	⚡ 33k	662080CK	⚡ 240k	662291CK	⚡ 1.8M
659606CK	⚡ 1.3	659825CK	⚡ 11	661255CK	⚡ 91	661466CK ✓✕	⚡ 680	661677CK ✓✕	⚡ 4.7k	661888CK	⚡ 36k	662098CK	⚡ 270k	662303CK	⚡ 2.0M
659614CK	⚡ 1.5	659833CK	⚡ 12	661263CK ✓#	⚡ 100	661474CK	⚡ 750	661685CK ✓✕	⚡ 5.1k	661896CK	⚡ 39k	662101CK	⚡ 300k	662311CK	⚡ 2.2M
659622CK	⚡ 1.6	659841CK	⚡ 13	661271CK	⚡ 110	661482CK	⚡ 820	661693CK ✓✕	⚡ 5.6k	661909CK	⚡ 43k	662119CK	⚡ 330k	662320CK	⚡ 2.4M
659631CK	⚡ 1.8	659850CK	⚡ 15	661280CK	⚡ 120	661491CK	⚡ 910	661706CK	⚡ 6.2k	661917CK ✓✕	⚡ 47k	662127CK	⚡ 360k	662338CK	⚡ 2.7M
659649CK	⚡ 2.0	659868CK	⚡ 16	661298CK	⚡ 130	661503CK ✓✕	⚡ 130	661714CK ✕	⚡ 6.8k	661925CK	⚡ 51k	662135CK	⚡ 390k	662346CK	⚡ 3.0M
659657CK	⚡ 2.2	659876CK	⚡ 18	661301CK ✓✕	⚡ 150	661511CK	⚡ 1.0k	661722CK	⚡ 7.5k	661933CK	⚡ 56k	662143CK	⚡ 430k	662354CK	⚡ 3.3M
659665CK	⚡ 2.4	659884CK	⚡ 20	661319CK	⚡ 160	661520CK	⚡ 1.2k	661731CK	⚡ 8.2k	661941CK	⚡ 62k	662151CK ✓✕	⚡ 470k	662362CK	⚡ 3.6M
659673CK	⚡ 2.7	659892CK	⚡ 22	661327CK	⚡ 180	661538CK	⚡ 1.3k	661749CK	⚡ 9.1k	661950CK	⚡ 68k	662160CK	⚡ 510k	662371CK	⚡ 3.9M
659681CK	⚡ 3.0	659905CK	⚡ 24	661335CK	⚡ 200	661546CK ✓✕	⚡ 1.5k	661757CK ✓✕	⚡ 10k	661968CK	⚡ 75k	662178CK	⚡ 560k	662389CK	⚡ 4.3M
659690CK	⚡ 3.3	661124CK	⚡ 27	661343CK ✓#	⚡ 220	661554CK	⚡ 1.6k	661765CK	⚡ 11k	661976CK	⚡ 82k	662186CK	⚡ 620k	662397CK	⚡ 4.7M
659702CK	⚡ 3.6	661132CK	⚡ 30	661351CK	⚡ 240	661562CK	⚡ 1.8k	661773CK	⚡ 12k	661984CK	⚡ 91k	662194CK	⚡ 680k	662400CK	⚡ 5.1M
659711CK	⚡ 3.9	661141CK	⚡ 33	661360CK ✓✕	⚡ 270	661571CK ✓✕	⚡ 2.0k	661781CK	⚡ 13k	661992CK ✓✕	⚡ 100k	662207CK	⚡ 750k	662418CK	⚡ 5.6M
659729CK	⚡ 4.3	661159CK	⚡ 36	661378CK	⚡ 300	661589CK ✓✕	⚡ 2.2k	661790CK ✓✕	⚡ 15k	662004CK	⚡ 110k	662215CK	⚡ 820k	662426CK	⚡ 6.2M
659737CK	⚡ 4.7	661167CK	⚡ 39	661386CK ✓✕	⚡ 330	661597CK	⚡ 2.4k	661802CK	⚡ 16k	662012CK	⚡ 120k	662223CK	⚡ 910k	662434CK	⚡ 6.8M
659745CK	⚡ 5.1	661175CK	⚡ 43	661394CK	⚡ 360	661600CK ✓✕	⚡ 2.7k	661811CK	⚡ 18k	662021CK	⚡ 130k	662231CK ✓✕	⚡ 1.0M	662442CK	⚡ 7.5M
659753CK	⚡ 5.6	661183CK ✓✕	⚡ 47	661407CK ✕	⚡ 390	661618CK	⚡ 3.0k	661829CK	⚡ 20k	662039CK	⚡ 150k	662240CK	⚡ 1.1M	662451CK	⚡ 8.2M
659761CK	⚡ 6.2	661191CK	⚡ 51	661415CK	⚡ 430	661626CK	⚡ 3.2k	661837CK ✓✕	⚡ 22k	662047CK	⚡ 160k	662258CK	⚡ 1.2M	662469CK	⚡ 9.1M
659770CK	⚡ 6.8	661204CK	⚡ 56	661423CK ✓✕	⚡ 470	661634CK ✓✕	⚡ 3.3k	661845CK	⚡ 24k	662055CK	⚡ 180k	662266CK	⚡ 1.3M	662477CK ✓✕	⚡ 10M
659788CK	⚡ 7.5	661212CK	⚡ 62												



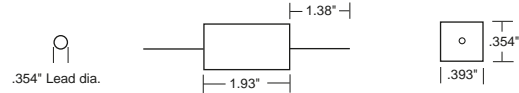
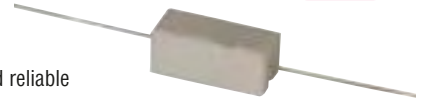
5-Watt Wirewound Resistors (5%)

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use 5-digit part number adjacent to ohms in chart below
 Values may not be combined for quantity price breaks

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.36	\$.30	\$.228	\$.199	\$.162

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956CK	0.10	660092CK	0.68	660236CK	2.7	660375CK	10	660519CK	36	660658CK	150	660797CK	500	660931CK	1.8k
659964CK	0.15	660105CK	0.75	660244CK	3.0	660383CK	11	660527CK	39	660666CK	160	660800CK	510	660949CK	2.0k
659972CK	0.20	660113CK	0.82	660252CK	3.3	660391CK	12	660535CK	43	660674CK	180	660818CK	560	660957CK	2.2k
659981CK	0.22	660121CK	0.91	660261CK	3.9	660404CK	13	660543CK	47	660682CK	200	660826CK	620	660965CK	2.4k
659999CK	0.27	660130CK	1.0	660279CK	4.0	660412CK	15	660551CK	50	660691CK	220	660834CK	680	660973CK	2.7k
660009CK	0.30	660148CK	1.1	660287CK	4.7	660421CK	16	660560CK	56	660703CK	240	660842CK	750	660981CK	3.0k
660017CK	0.33	660156CK	1.2	660295CK	5.0	660439CK	18	660578CK	62	660711CK	250	660851CK	820	660990CK	3.3k
660025CK	0.39	660164CK	1.3	660308CK	5.1	660447CK	20	660586CK	68	660720CK	270	660869CK	910	661001CK	3.9k
660033CK	0.43	660172CK	1.5	660316CK	5.6	660455CK	22	660594CK	75	660738CK	300	660877CK	1.0k	661010CK	4.7k
660041CK	0.47	660181CK	1.6	660324CK	6.2	660463CK	24	660607CK	82	660746CK	330	660885CK	1.1k	661028CK	5.0k
660050CK	0.50	660199CK	1.8	660332CK	6.8	660471CK	25	660615CK	91	660754CK	360	660893CK	1.2k	661036CK	10k
660068CK	0.51	660201CK	2.0	660341CK	7.5	660480CK	27	660623CK	100	660762CK	390	660906CK	1.3k	661044CK	20k
660076CK	0.56	660210CK	2.2	660359CK	8.2	660498CK	30	660631CK	120	660771CK	430	660914CK	1.5k	661052CK	25k
660084CK	0.62	660228CK	2.4	660367CK	9.1	660501CK	33	660640CK	130	660789CK	470	660922CK	1.6k		

1/8-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W – \$12.95/k (bulk)

Part No.	Cross Ref. No.	Values included	Description (see chart below)	Pricing	
				1	10
108302CK	ASST1830	X	10 ea. of 24 values marked by X and 50 ea. of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49
108290CK	ASST1827	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95
108329CK	CAB182R	—	1/8-watt resistor component cabinet kit – 30 values (540 pcs.), see page 95	24.95	22.49

1/8-Watt Resistor Assortments Value Chart (Ohms)

10 ✓	150 ✓	330 ✓	680 ✓	2.0k ✓	3.3k ✓	5.6k ✓	15k ✓	33k ✓	470k ✓
47 ✓	220 ✓	390 ✓	1.0k ✓	2.2k ✓	4.7k ✓	6.8k ✓	22k ✓	47k ✓	1.0M ✓
100 ✓	270 ✓	470 ✓	1.5k ✓	2.7k ✓	5.1k ✓	10k ✓	27k ✓	100k ✓	10M ✓

(✓), (X), (#) symbols indicate Resistor values included in Assortments above and below.

Many more resistor products are available on our website
www.Jameco.com



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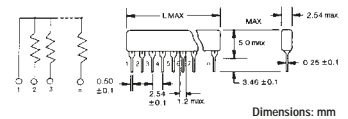
1-800-831-4242

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bused (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- 8-pin package (7 resistors) = 8BRN
- 10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.200" body ht.)
- Low profile is compatible with DIPs
- Cermet thick film construction



Pricing per each			
1	10	100	1000
\$.25	\$.19	\$.15	\$.12
Pricing for P/N 97826CK			
\$.24	\$.18	\$.14	\$.11

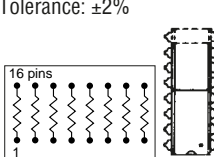
Part No.	Pins	Ohms
97826CK	8	10k
97851CK	10	330
97869CK	10	470
97877CK	10	1.0k
97893CK	10	2.2k
24660CK	10	4.7k
24643CK	10	10k
98087CK	10	47k
98095CK	10	100k

Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%

Features (161RN):

- Maximum operating voltage: 100V
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation resistance: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation



Pricing per each			
1	10	100	1000
\$.39	\$.35	\$.31	\$.29

Part No.	Ohms
164005CK	33
108556CK	100
108564CK	220
108572CK	330
108581CK	470
108599CK	1.0k
108610CK	4.7k
108628CK	10k
108644CK	100k

SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A - B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN...	770-81-R...	708A	4608X-101...	CSC08A01...	L08-1-R...	356CF... X2PD	9S08... GL002
10BRN...	770-101-R...	710A	4610X-101...	CSC10A01...	L10-1-R...	256CX... X2PD	9S10... GL002
161RN...	761-3-R...	316B	4116R-001...	MDP16-03...	898-3-R...	916C... X5SR	D16H... 12-J



Resistors



10 Series Current-Sense Axial Lead Wire-Element

- 1 & 5% tolerance
- Fixed resistance measuring point
- Low inductance

20 Series Vitreous Enamel Conformal Axial Lead Wirewound

- 5% tolerance
- Flame resistant
- All-welded construction
- Durable construction for industrial applications where reliability is paramount

40 Series Ohmicone® Silicone-Ceramic Conformal Axial Lead Wirewound

- 1 & 5% tolerance
- Economical
- All-welded construction
- Higher power rating
- Stability under high temperature conditions

90 Series Lead Free Vitreous Enamel Molded Axial Lead Wirewound

- 5% tolerance
- Flame resistant
- Molded construction provides consistent shape and size
- Meets MIL-R-26 requirements for insulated resistors

200/270 Series Vitreous Enamel Power

- All-welded construction
- 5% tolerance
- Higher power rating
- Flame resistant

250 Series Thin Stackohm® Vitreous Enamel Power

- Small size-to-power ratio
- 5% tolerance
- Integral mounting bracket conducts heat to mounting surface
- Stackable

OX Series Ceramic Composition

- 10% tolerance
- High peak power
- Meets high energy density demands

TA Series Power Chip® Thick Film on Alumina Substrate

- 5% tolerance
- Low inductance
- High power density

Resistor Mounting Brackets and Thru Bolts also available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Ohmite Offering at
www.Jameco.com/Prod/Ohmite



1/4-Watt 24mm Audio Taper (±20%)

- Shaft length: 0.335"
- Maximum voltage: 250V
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Insulation resistance: >100MΩ @ 500VDC
- Rotational angle: 300° (±5°)



255396CK

Qty.	1	10	100	500
Price	\$1.19	\$0.91	\$0.83	\$0.76

Part No.	Product No.	Ohms
255396CK	RV24A-10-15R1-A1K ⊕	1k
255417CK	RV24A-10-15R1-A5K ⊕	5k
255425CK	RV24A-10-15R1-A10K ⊕	10k
255433CK	RV24A-10-15R1-A50K ⊕	50k
255441CK	RV24A-10-15R1-A100K ⊕	100k
255450CK	RV24A-10-15R1-A500K ⊕	500k
255468CK	RV24A-10-15R1-A1M ⊕	1M



1/2-Watt 24mm Linear Taper (±20%)



- Maximum voltage: 500V
- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC
- Solder lugs

Part Number	RV24A-10-15R1-BxxxCK	RV24A-10-20K-BxxxCK	RV24A-10-40R1-BxxxCK
Shaft Length	0.335"L ⊕	0.531"L ⊕	1.32"L ⊕
1 pc.	\$1.19	\$1.19	\$1.15
10 pcs.	\$0.91	\$0.91	\$0.95
100 pcs.	\$0.83	\$0.83	\$0.86
500 pcs.	\$0.76	\$0.76	\$0.79

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order RV24A-10-20K-B503CK for a 50kΩ Alpha with 0.531"L Shaft).

500Ω — 501	50kΩ — 503
1kΩ — 102	100kΩ — 104
2kΩ — 202	250kΩ — 254
2.5kΩ — 252	500kΩ — 504
5kΩ — 502	1MΩ — 105
10kΩ — 103	2MΩ — 205
25kΩ — 253	5MΩ — 505



1/4-Watt 24mm Audio Taper with SPST Switch (±20%)

- Shaft length: 0.590"
- Voltage rating: 250V
- Shaft diameter: 0.250"
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263601CK

Qty.	1	10	100	500
Price	\$1.59	\$1.36	\$1.24	\$1.13

Part No.	Product No.	Ohms
263601CK	RV24A01-10-15R1-A1K ⊕	1k
263610CK	RV24A01-10-15R1-A5K ⊕	5k
263636CK	RV24A01-10-15R1-A10K ⊕	10k
263644CK	RV24A01-10-15R1-A50K ⊕	50k
263652CK	RV24A01-10-15R1-A100K ⊕	100k
263661CK	RV24A01-10-15R1-A500K ⊕	500k



1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.335"
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263759CK

Qty.	1	10	100	500
Price	\$1.59	\$1.36	\$1.24	\$1.13

⊕ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
263759CK	RV24A01-10-15R1-B500 ⊕	500
263767CK	RV24A01-10-15R1-B1K ⊕	1k
263775CK	RV24A01-10-15R1-B2.5K ⊕	2.5k
263783CK	RV24A01-10-15R1-B5K ⊕	5k
263791CK	RV24A01-10-15R1-B10K ⊕	10k
263804CK	RV24A01-10-15R1-B25K ⊕	25k
263812CK	RV24A01-10-15R1-B50K ⊕	50k
263821CK	RV24A01-10-15R1-B100K ⊕	100k
263839CK	RV24A01-10-15R1-B250K ⊕	250k
263847CK	RV24A01-10-15R1-B500K ⊕	500k
263855CK	RV24A01-10-15R1-B1M ⊕	1M

We're Listening to Your Requests

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1/2-Watt Linear Taper (±10%)

- Temperature range: -55°C to +125°C
- Non-rotational key
- Non-slotted shaft end
- Mounting hole: 0.3125"
- Shaft diameter: 0.25"
- Shaft length: 0.50"
- Maximum panel thickness: 0.1875"



29081CK

Includes: Mounting hardware

Qty.	1	10	100	500
Price	\$0.99	\$0.79	\$0.65	\$0.55

Part No	Cross Ref. No.	Ohms	Part No	Cross Ref. No.	Ohms
29049CK	P1K ⊕	1k	29102CK	P100K ⊕	100k
29196CK	P5K ⊕	5k	29065CK	P1MEG ⊕	1M
29081CK	P10K ⊕	10k			



RV4N Style 2-Watt Linear Taper (±10%)

- Shaft diameter: 0.25"
- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"



Includes: Mounting hardware

Qty.	1	10	25	50
Price	\$7.39	\$6.54	\$5.45	\$5.20

⊕ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Military No.	Ohms
241568CK	53C3-100 ⊕	RV4NAYSD101A	100
241576CK	53C3-150 ⊕	RV4NAYSD151A	150
241584CK	53C3-250 ⊕	RV4NAYSD251A	250
241592CK	53C3-350 ⊕	RV4NAYSD351A	350
183610CK	53C3-500 ⊕	RV4NAYSD501A	500
13936CK	53C3-1k ⊕	RV4NAYSD102A	1k
241605CK	53C3-1.5k ⊕	RV4NAYSD152A	1.5k
241613CK	53C3-2k ⊕	RV4NAYSD202A	2k
241621CK	53C3-2.5k ⊕	RV4NAYSD252A	2.5k
241630CK	53C3-3.5k ⊕	RV4NAYSD352A	3.5k
13995CK	53C3-5k ⊕	RV4NAYSD502A	5k
13952CK	53C3-10k ⊕	RV4NAYSD103A	10k
241648CK	53C3-15k ⊕	RV4NAYSD153A	15k
241656CK	53C3-20k ⊕	RV4NAYSD203A	20k
241664CK	53C3-25k ⊕	RV4NAYSD253A	25k
95417CK	53C3-50k ⊕	RV4NAYSD503A	50k
13979CK	53C3-100k ⊕	RV4NAYSD104A	100k
241672CK	53C3-150k ⊕	RV4NAYSD154A	150k
241681CK	53C3-250k ⊕	RV4NAYSD254A	250k
241699CK	53C3-350k ⊕	RV4NAYSD354A	350k
241728CK	53C3-1Meg ⊕	RV4NAYSD105A	1M



1/5-Watt 16mm Linear Taper, Single Detent

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Total rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Center detent
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute



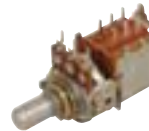
Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.04	\$0.94

Part No.	Product No.	Ohms
286352CK	RV16A-10-15R1-B1K-OC	1k
286361CK	RV16A-10-15R1-B2K-OC	2k
286379CK	RV16A-10-15R1-B5K-OC	5k
286387CK	RV16A-10-15R1-B10K-OC	10k
286395CK	RV16A-10-15R1-B25K-OC	25k
286408CK	RV16A-10-15R1-B50K-OC	50k
286416CK	RV16A-10-15R1-B100K-OC	100k
286424CK	RV16A-10-15R1-B250K-OC	250k
286432CK	RV16A-10-15R1-B500K-OC	500k
286441CK	RV16A-10-15R1-B1M-OC	1M



1/5-Watt 16mm Linear Taper w/ DPDT Switch, PC Terminals

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Terminal type: PC terminals (horizontal)
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute



Qty.	1	10	100	500
Price	\$3.55	\$2.96	\$2.70	\$2.45

Part No.	Product No.	Ohms
286731CK	RV16B-20-15R1-B10K	10k
286740CK	RV16B-20-15R1-B50K	50k
286758CK	RV16B-20-15R1-B100K	100k



1/5-Watt 16mm Linear Taper

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotation angle: 300° (±5°)
- Rotational life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute



Qty.	1	10	100	500
Price	\$1.15	\$1.00	\$0.87	\$0.80

Part No.	Product No.	Ohms
286248CK	RV16A-10-15R1-B1K	1k
286256CK	RV16A-10-15R1-B2K	2k
286264CK	RV16A-10-15R1-B5K	5k
286272CK	RV16A-10-15R1-B10K	10k
286281CK	RV16A-10-15R1-B25K	25k
286299CK	RV16A-10-15R1-B50K	50k
286301CK	RV16A-10-15R1-B100K	100k
286310CK	RV16A-10-15R1-B250K	250k
286328CK	RV16A-10-15R1-B500K	500k
286336CK	RV16A-10-15R1-B1M	1M
286344CK	RV16A-10-15R1-B1.2M	1.2M



1/5-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.374"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Terminal type: PC terminal (vertical; back)
- Total rotation angle: 270° (±5°)
- Rotation life: 100,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC 10A



Qty.	1	10	100	500
Price	\$2.25	\$1.90	\$1.73	\$1.57

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286766CK	RV16C-40-16F1-B5K	5k
286774CK	RV16C-40-16F1-B10K	10k
286782CK	RV16C-40-16F1-B50K	50k
286791CK	RV16C-40-16F1-B500K	500k



1/8-Watt 16mm Linear Taper

- Shaft length: 0.531"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); ≥1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute



Qty.	1	10	100	500
Price	\$1.19	\$1.00	\$0.83	\$0.70

Part No.	Product No.	Ohms
286061CK	RV16A-10-20R1-B1K	1k
286184CK	RV16A-10-20R1-B2K	2k
286192CK	RV16A-10-20R1-B5K	5k
286205CK	RV16A-10-20R1-B10K	10k
286213CK	RV16A-10-20R1-B50K	50k
286854CK	RV16A-10-20R1-B100K	100k
286221CK	RV16A-10-20R1-B500K	500k
286230CK	RV16A-10-20R1-B1M	1M



1/8-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft Length: 0.335"
- Shaft diameter: 0.250"
- Terminal type: solder lugs double row
- Rated voltage: 200V
- Total rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- Switch contact resistance: 20mΩ
- Switch rating: 12VDC/1A



Qty.	1	10	100	500
Price	\$1.95	\$1.62	\$1.47	\$1.34

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286598CK	RV16A03-10-15R1-B1K	1k
286601CK	RV16A03-10-15R1-B5K	5k
286619CK	RV16A03-10-15R1-B10K	10k
286627CK	RV16A03-10-15R1-B50K	50k
286635CK	RV16A03-10-15R1-B100K	100k
286643CK	RV16A03-10-15R1-B500K	500k
286651CK	RV16A03-10-15R1-B1M	1M



1/10-Watt 16mm Audio Taper (±20%)

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- Rotational life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- 11-detent positions



Qty.	1	10	100	500
Price	\$1.65	\$1.38	\$1.25	\$1.13

Part No.	Product No.	Ohms
286555CK	RV16A-10-15R1-A10K-OD	10k
286563CK	RV16A-10-15R1-A50K-OD	50k
286571CK	RV16A-10-15R1-A100K-OD	100k
286580CK	RV16A-10-15R1-A1M-OD	1M

1/5-Watt 16mm Linear Taper (±20%)

- Insulation resistance: 100MΩ @ 500VDC
- Number of detents: 10
- Maximum panel thickness: 0.15"
- Shaft length: 0.605"
- Maximum operating voltage: 150VAC
- Shaft diameter: 0.235"
- Rotational life: 15,000 cycles
- Mounting hole: 0.27"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
163563CK	PMD401	10k	\$1.65	\$1.49	\$1.35	\$1.09

2-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to +70°C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825"
- Base length: 0.25"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123959CK	PT1K	1k	\$3.29	\$2.99	\$2.65	\$2.39
123967CK	PT5K	5k	3.29	2.99	2.65	2.39

5-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to 70°C
- Shaft diameter: 0.23" (6mm)
- Shaft length: 0.67", except P/N 140521CK (0.25")
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140513CK	PW5B100	100	\$2.79	\$2.35	\$2.25	\$2.10
140521CK	PW5B500	500	2.79	2.35	2.25	2.10

2-Watt Linear Taper Wire Wound (10-turn)

- Resistance tolerance: ±10%
- 10-turn; wirewound
- Load life: 1000 hours, 2W
- Insulation resistance: (500VDC) 1000MΩ minimum
- Absolute minimum resistance: 1Ω or 0.1% maximum

Part No.	Product No.	Ohms	1	10	50
183548CK	3540S-1-502	5k	\$12.79	\$12.35	\$12.26
183521CK	3540S-1-103	10k	12.99	12.79	12.59

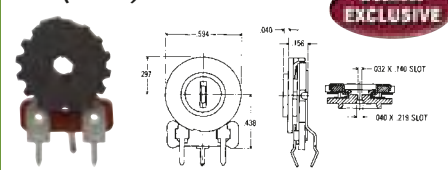
1/2-Watt, 3/8" Square Trimming Potentiometer (±10%)

- Top adjustment
- Multi-turn
- Insulation resistance: (500VDC) 1000MΩ min.

Part No.	Product No.	Ohms	1	10	50
191417CK	3299Y-501	500	\$1.99	\$1.82	\$1.53

1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount



- 15mm thick
- Power rating: below 5kΩ - 1/4 watt @ 40°C, 5kΩ & above - 1/4 watt @ 55°C
- Total rotation: 260° ±5°
- Voltage rating: 350VDC

Qty.	1	10	100	500
Price	\$4.45	\$3.39	\$3.35	\$2.29

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
94692CK	X201R1K	1k	172136CK	X201R25K	25k
35502CK	X201R25B	2.5k	94721CK	X201R50K	50k
94705CK	X201R5K	5k	94730CK	X201R100K	100k
94713CK	X201R10K	10k			

1/2-Watt Trimming Potentiometers (±10%)

3362P Series

- Linear taper
- Insulation resistance: 500VDC 1,000MΩ minimum
- Absolute minimum resistance: 1% or 2Ω maximum
- Contact resistance variation: 1% or 3Ω maximum
- Rotational life: 200 cycles
- Terminals: solderable pins
- Top adjustment: 240° nominal
- Wiper positioning: 50% nominal

Qty.	1	10	100	500
Price	\$0.69	\$0.62	\$0.47	\$0.42

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
191644CK	3362P-200	20	182836CK	3362P-103	10k
189341CK	3362P-500	50	182844CK	3362P-204	200k
182810CK	3362P-501	500	182852CK	3362P-105	1M
182828CK	3362P-502	5k			

1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

3329P Series

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- T0-5 grid
- Top adjustment
- Terminals: solderable pins

Qty.	1	10	100	500
Price	\$1.89	\$1.59	\$1.29	\$1.19

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
95441CK	3329P-102	1k	96719CK	3329P-103	10k
95450CK	3329P-502	5k	95484CK	3329P-104	100k

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)

- Top adjustment
- 1/2 watt linear taper @ 70°C
- PC pins: 0.100" grid (2.54mm)
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants
- Pin spacing: 0.1" (↑ 43060CK & 105216CK: 0.2")

Qty.	1	10	100	500
Price	\$0.85	\$0.79	\$0.69	\$0.49

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
43123CK	63P500	500	43107CK	63P50K	50k
42964CK	63P1K	1k	43027CK	63P100K	100k
43043CK	63P2K	2k	43060CK	63P300K	300k
43078CK	63P5K	5k	63212CK	63P500K	500k
43001CK	63P10K	10k	42981CK	63P1MEG	1M
43051CK	63P20K	20k	105216CK	63P2MEG	2M

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)

- PC pins: 0.100" grid (2.54mm)
- Side adjustment
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants

Qty.	1	10	100	500
Price	\$1.05	\$0.99	\$0.89	\$0.75

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
181972CK	43P201	200	41873CK	43P20K	20k
41937CK	43P500	500	41911CK	43P50K	50k
41785CK	43P1K	1k	41849CK	43P100K	100k
41865CK	43P2K	2k	63001CK	43P200K	200k
41890CK	43P5K	5k	41890CK	43P500K	500k
41822CK	43P10K	10k	41806CK	43P1MEG	1M

1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

Bourns 3329P Series Value Equivalents

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- T0-5 grid
- Top adjustment
- Terminals: solderable pins

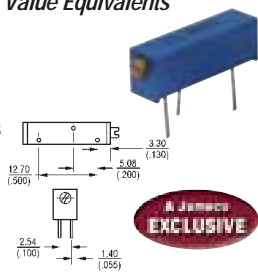
Qty.	1	10	50	100
Price	\$1.69	\$1.53	\$1.29	\$1.21

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254457CK	3329P-500	50	254537CK	3329P-203	20k
254465CK	3329P-101	100	254545CK	3329P-253	25k
254473CK	3329P-201	200	254553CK	3329P-503	50k
254481CK	3329P-501	500	254561CK	3329P-104	100k
254490CK	3329P-102	1k	254570CK	3329P-204	200k
254502CK	3329P-202	2k	254588CK	3329P-504	500k
254511CK	3329P-502	5k	254596CK	3329P-105	1M
254529CK	3329P-103	10k			

3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometer Side Adjustment ($\pm 10\%$)

Bourns 3006P Series Value Equivalents

- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum resistance: 1% or 2 Ω
- Contact resistance variation: 1% or 1 Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



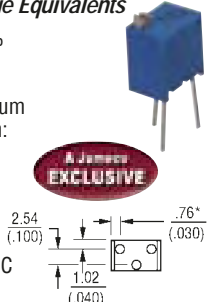
Qty.	1	10	50	100
Price	\$1.25	\$1.15	\$.99	\$.89

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
241234CK	3006P-101	100	241314CK	3006P-253	25k
241242CK	3006P-201	200	241322CK	3006P-503	50k
241251CK	3006P-501	500	241331CK	3006P-104	100k
241269CK	3006P-102	1k	241349CK	3006P-204	200k
241277CK	3006P-202	2k	241357CK	3006P-254	250k
241285CK	3006P-502	5k	241365CK	3006P-504	500k
241293CK	3006P-103	10k	241373CK	3006P-105	1M
241306CK	3006P-203	20k			

1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment ($\pm 10\%$)

Bourns 3266W Series Value Equivalents

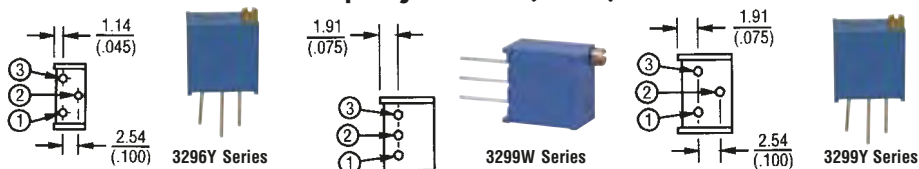
- Resistance tolerance: $\pm 10\%$
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000M Ω minimum
- Contact resistance variation: 3% or 3 Ω maximum (whichever is greater)
- Absolute min. resistance: 1% or 2 Ω maximum (whichever is greater)
- Power rating: 0.25W @ 70°C (300V maximum)



Qty.	1	10	50	100
Price	\$2.29	\$1.99	\$1.93	\$1.83

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
254609CK	3266W-500	50	254684CK	3266W-203	20k
254617CK	3266W-101	100	254692CK	3266W-253	25k
254625CK	3266W-201	200	254705CK	3266W-503	50k
254633CK	3266W-501	500	254713CK	3266W-104	100k
254641CK	3266W-102	1k	254721CK	3266W-204	200k
254650CK	3266W-202	2k	254730CK	3266W-504	500k
254668CK	3266W-502	5k	254748CK	3266W-105	1M
254676CK	3266W-103	10k			

1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers, Top Adjustment ($\pm 10\%$)



3296Y/3299Y – Y Layout Solder Pins and 3299W – In-Line Solder Pins

- Resistance tolerance: $\pm 10\%$
- 25 turns nominal
- Insulation resistance: (500VDC) 1000M Ω min.
- Contact resistance variation: 1% or 3 Ω max.
- Absolute minimum resistance: 1% or 2 Ω max.
- Power rating: 0.5W @ 70°C (300V max.)

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order **3296Y-503CK** for a 50k Ω ValuePro Series 3296Y).

10 Ω – 100	10k Ω – 103
20 Ω – 200	20k Ω – 203
50 Ω – 500	25k Ω – 253
100 Ω – 101	50k Ω – 503
200 Ω – 201	100k Ω – 104
500 Ω – 501	250k Ω – 254
1k Ω – 102	500k Ω – 504
2k Ω – 202	1M Ω – 105
5k Ω – 502	2M Ω – 205

Attention Budget-Minded Buyers!

Jameco now offers high-quality Bourns® equivalents below, and they're priced to save you money. You'll get consistent form, fit and function, without paying the added surcharge for brand name components.

Series	3296Y	3299W	3299Y
Part Number	3296Y-xxxCK	3299W-xxxCK	3299Y-xxxCK
1 pc.	\$1.69	\$1.99	\$1.99
10 pcs.	\$1.56	\$1.82	\$1.82
100 pcs.	\$1.42	\$1.53	\$1.53
500 pcs.	\$1.28	\$1.35	\$1.35

Bourns® Potentiometers

Jameco now offers a broad selection of industry-renowned Bourns multi-turn potentiometers below. They're ideal for integration into devices requiring high-precision pots.

Series	3296Y	3299W	3299Y
Part Number	3296Y-1-xxxCK	3299W-1-xxxCK	3299Y-1-xxxCK
1 pc.	\$1.99	\$2.39	\$2.39
10 pcs.	\$1.85	\$2.25	\$2.19
100 pcs.	\$1.66	\$1.99	\$1.79
500 pcs.	\$1.49	\$1.79	\$1.59

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers

Bourns 3362 Series Value Equivalents

- Resistance tolerance: $\pm 10\%$
- Insulation resistance: (500VDC) 1,000M Ω
- Absolute minimum resistance: 1% or 2 Ω (whichever is greater)
- Contact resistance variation: 1% or 3 Ω max. (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)



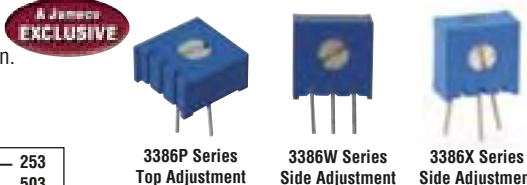
To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3362P-503CK for a 50k Ω ValuePro Series 3362P).	100 Ω – 101 200 Ω – 201 500 Ω – 501 1k Ω – 102 2k Ω – 202 5k Ω – 502 10k Ω – 103	20k Ω – 203 50k Ω – 253 50k Ω – 503 100k Ω – 104 200k Ω – 204 500k Ω – 504 1M Ω – 105
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Series	3362P	3362W
Part Number	3362P-xxxCK	3362W-xxxCK
1 pc.	\$0.59	\$0.59
10 pcs.	\$0.55	\$0.54
100 pcs.	\$0.45	\$0.45
500 pcs.	\$0.42	\$0.41

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers

Bourns 3386 Series Value Equivalents

- Resistance tolerance: $\pm 10\%$
- Insulation resistance: (500VDC) 1,000M Ω min.
- Absolute minimum resistance: 2 Ω
- Contact resistance variation: 2% or 3 Ω max. (whichever is greater)



To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3386P-503CK for a 50k Ω ValuePro Series 3386P).	50 Ω – 500 100 Ω – 101 200 Ω – 201 500 Ω – 501 1k Ω – 102 2k Ω – 202 5k Ω – 502 10k Ω – 103 20k Ω – 203	25k Ω – 253 50k Ω – 503 100k Ω – 104 200k Ω – 204 250 Ω – 254 500k Ω – 504 1M Ω – 105 2M Ω – 205
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Series	3386P	3386W	3386X
Part Number	3386P-xxxCK	3386W-xxxCK	3386X-xxxCK
1 pc.	\$0.85	\$0.89	\$0.85
10 pcs.	\$0.76	\$0.79	\$0.76
100 pcs.	\$0.67	\$0.69	\$0.67
500 pcs.	\$0.64	\$0.65	\$0.64

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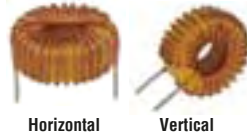
Need Digital Potentiometers? See page 42.

JAMECO ValuePro

High-Current Toroid Inductors

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EXCLUSIVE

- DC - DC converter, EMI filter applications • Low radiation
- Low core loss • Low cost • High current capacity
- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specifications



Horizontal Vertical

2100 Series Equivalents

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371741CK	2101-V	10.0	10.8	0.006	0.34	0.053	\$1.69	\$1.03	.74
371506CK	2101-H	10.0	10.8	0.006	0.77	0.053	1.69	1.03	.74
371750CK	2102-V	12.0	10.3	0.007	0.34	0.053	1.69	1.04	.74
371514CK	2102-H	12.0	10.3	0.007	0.77	0.053	1.69	1.04	.74
371768CK	2103-V	15.0	7.7	0.012	0.33	0.042	1.69	1.04	.74
371522CK	2103-H	15.0	7.7	0.012	0.76	0.042	1.69	1.04	.74
371776CK	2104-V	18.0	7.4	0.013	0.33	0.042	1.69	1.04	.74
371531CK	2104-H	18.0	7.4	0.013	0.76	0.042	1.69	1.04	.74
371784CK	2105-V	22.0	7.0	0.015	0.33	0.042	1.69	1.04	.74
371549CK	2105-H	22.0	7.0	0.015	0.76	0.042	1.69	1.04	.74
371792CK	2106-V	27.0	5.3	0.026	0.32	0.034	1.69	1.04	.74
371557CK	2106-H	27.0	5.3	0.026	0.75	0.034	1.69	1.04	.74
371805CK	2107-V	33.0	5.0	0.029	0.32	0.034	1.69	1.04	.74
371565CK	2107-H	33.0	5.0	0.029	0.75	0.034	1.69	1.04	.74
371813CK	2108-V	39.0	4.8	0.032	0.32	0.034	1.69	1.04	.74
371573CK	2108-H	39.0	4.8	0.032	0.75	0.034	1.69	1.04	.74
371821CK	2109-V	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371581CK	2109-H	47.0	3.6	0.055	0.75	0.027	1.69	1.04	.74
371830CK	2110-V	56.0	3.4	0.060	0.31	0.027	1.69	1.04	.74
371590CK	2110-H	56.0	3.4	0.060	0.75	0.027	1.69	1.04	.74
371848CK	2111-V	68.0	3.3	0.067	0.31	0.027	1.69	1.04	.74
371602CK	2111-H	68.0	3.3	0.067	0.75	0.027	1.69	1.04	.74
371856CK	2112-V	100.0	2.4	0.13	0.31	0.022	1.69	1.04	.74
371611CK	2112-H	100.0	2.4	0.13	0.74	0.022	1.69	1.04	.74
371864CK	2113-V	120.0	2.2	0.15	0.31	0.022	1.69	1.04	.74
371629CK	2113-H	120.0	2.2	0.15	0.74	0.022	1.69	1.04	.74
371872CK	2114-V	150.0	3.4	0.062	0.35	0.034	1.69	1.04	.74
371637CK	2114-H	150.0	3.4	0.062	0.79	0.034	1.69	1.04	.74
371881CK	2115-V	180.0	2.6	0.11	0.34	0.027	1.69	1.04	.74
371645CK	2115-H	180.0	2.6	0.11	0.77	0.027	1.69	1.04	.74
371899CK	2116-V	220.0	2.4	0.12	0.34	0.027	1.69	1.04	.74
371653CK	2116-H	220.0	2.4	0.12	0.77	0.027	1.69	1.04	.74
371901CK	2117-V	270.0	1.8	0.21	0.33	0.022	1.89	1.17	.84
371661CK	2117-H	270.0	1.8	0.21	0.76	0.022	1.89	1.17	.84
371910CK	2118-V	330.0	1.7	0.23	0.33	0.022	1.89	1.17	.84
371670CK	2118-H	330.0	1.7	0.23	0.76	0.022	1.89	1.17	.84
371928CK	2119-V	390.0	1.7	0.25	0.33	0.022	1.89	1.17	.84
371688CK	2119-H	390.0	1.7	0.25	0.76	0.022	1.89	1.17	.84
371936CK	2120-V	470.0	1.6	0.28	0.35	0.022	1.89	1.17	.84
371696CK	2120-H	470.0	1.6	0.28	0.76	0.022	1.89	1.17	.84
371944CK	2121-V	560.0	1.5	0.30	0.35	0.022	1.89	1.17	.84
371709CK	2121-H	560.0	1.5	0.30	0.79	0.022	1.89	1.17	.84
371952CK	2122-V	680.0	1.4	0.33	0.35	0.022	1.89	1.17	.84
371717CK	2122-H	680.0	1.4	0.33	0.79	0.022	1.89	1.17	.84
371961CK	2123-V	820.0	1.4	0.37	0.35	0.022	1.89	1.17	.84
371725CK	2123-H	820.0	1.4	0.37	0.79	0.022	1.89	1.17	.84
371979CK	2124-V	1000.0	1.3	0.40	0.37	0.022	1.89	1.17	.84
371733CK	2124-H	1000.0	1.3	0.40	0.81	0.022	1.89	1.17	.84

2200 Series Equivalents

371266CK	2201-V	10.0	12.5	0.007	0.46	0.053	\$2.15	\$1.31	.93
371021CK	2201-H	10.0	12.5	0.007	0.88	0.053	2.15	1.31	.93
371274CK	2202-V	12.0	12.0	0.008	0.46	0.053	2.15	1.31	.93
371039CK	2202-H	12.0	12.0	0.008	0.88	0.053	2.15	1.31	.93
371282CK	2203-V	15.0	11.3	0.008	0.46	0.053	2.15	1.31	.93
371047CK	2203-H	15.0	11.3	0.008	0.88	0.053	2.15	1.31	.93
371291CK	2204-V	18.0	10.8	0.009	0.46	0.053	2.15	1.31	.93
371055CK	2204-H	18.0	10.8	0.009	0.88	0.053	2.15	1.31	.93
371303CK	2205-V	22.0	10.3	0.010	0.46	0.053	2.15	1.31	.93
371063CK	2205-H	22.0	10.3	0.010	0.88	0.053	2.15	1.31	.93

2200 Series Equivalents (Continued)

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371311CK	2206-V	27.0	9.8	0.011	0.46	0.053	\$2.15	\$1.31	.93
371071CK	2206-H	27.0	9.8	0.011	0.88	0.053	2.15	1.31	.93
371320CK	2207-V	33.0	7.4	0.020	0.45	0.042	2.15	1.31	.93
371080CK	2207-H	33.0	7.4	0.020	0.87	0.042	2.15	1.31	.93
371338CK	2208-V	39.0	7.1	0.022	0.45	0.042	2.15	1.31	.93
371098CK	2208-H	39.0	7.1	0.022	0.87	0.042	2.15	1.31	.93
371346CK	2209-V	47.0	6.7	0.024	0.45	0.042	2.15	1.31	.93
371101CK	2209-H	47.0	6.7	0.024	0.87	0.042	2.15	1.31	.93
371354CK	2210-V	56.0	6.4	0.026	0.45	0.042	2.15	1.31	.93
371119CK	2210-H	56.0	6.4	0.026	0.87	0.042	2.15	1.31	.93
371362CK	2211-V	68.0	4.9	0.046	0.44	0.034	2.15	1.31	.93
371127CK	2211-H	68.0	4.9	0.046	0.86	0.034	2.15	1.31	.93
371371CK	2212-V	100.0	4.4	0.056	0.44	0.034	2.15	1.31	.93
371135CK	2212-H	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371389CK	2213-V	120.0	3.3	0.098	0.44	0.027	2.15	1.31	.93
371143CK	2213-H	120.0	3.3	0.098	0.86	0.027	2.15	1.31	.93
371397CK	2214-V	150.0	3.1	0.11	0.44	0.027	2.15	1.31	.93
371151CK	2214-H	150.0	3.1	0.11	0.86	0.027	2.15	1.31	.93
371400CK	2215-V	180.0	3.8	0.075	0.48	0.034	2.15	1.31	.93
371160CK	2215-H	180.0	3.8	0.075	0.90	0.034	2.15	1.31	.93
371418CK	2216-V	220.0	3.6	0.083	0.48	0.034	2.15	1.31	.93
371178CK	2216-H	220.0	3.6	0.083	0.90	0.034	2.15	1.31	.93
371426CK	2217-V	270.0	3.4	0.092	0.48	0.034	2.35	1.45	1.03
371186CK	2217-H	270.0	3.4	0.092	0.90	0.034	2.35	1.45	1.03
371434CK	2218-V	330.0	3.3	0.10	0.48	0.034	2.35	1.45	1.03
371194CK	2218-H	330.0	3.3	0.10	0.90	0.034	2.35	1.45	1.03
371442CK	2219-V	390.0	2.5	0.18	0.46	0.027	2.35	1.45	1.03
371207CK	2219-H	390.0	2.5	0.18	0.88	0.027	2.35	1.45	1.03
371451CK	2220-V	470.0	2.3	0.19	0.46	0.027	2.35	1.45	1.03
371215CK	2220-H	470.0	2.3	0.19	0.88	0.027	2.35	1.45	1.03
371469CK	2221-V	560.0	2.2	0.21	0.46	0.027	2.35	1.45	1.03
371223CK	2221-H	560.0	2.2	0.21	0.88	0.027	2.35	1.45	1.03
371477CK	2222-V	680.0	2.1	0.23	0.49	0.027	2.35	1.45	1.03
371231CK	2222-H	680.0	2.1	0.23	0.91	0.027	2.35	1.45	1.03
371485CK	2223-V	820.0	2.0	0.26	0.49	0.027	2.35	1.45	1.03
371240CK	2223-H	820.0	2.0	0.26	0.91	0.027	2.35	1.45	1.03
371493CK	2224-V	1000.0	1.9	0.28	0.49	0.027	2.35	1.45	1.03
371258CK	2224-H	1000.0	1.9	0.28	0.91	0.027	2.35	1.45	1.03

2300 Series Equivalents

386901CK	2301-V	10.0	20.0	0.005	0.56	0.066	\$2.19	\$1.49	\$1.13
386361CK	2301-H	10.0	20.0	0.005	1.18	0.066	2.19	1.49	1.13
386935CK	2302-V	12.0	19.1	0.005	0.56	0.066	2.19	1.49	1.13
386396CK	2302-H	12.0	19.1	0.005	1.18	0.066	2.19	1.49	1.13
386951CK	2303-V	15.0	18.0	0.006	0.56	0.066	2.19	1.49	1.13
386425CK	2303-H	15.0	18.0	0.006	1.18	0.066	2.19	1.49	1.13
386978CK	2304-V	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386441CK	2304-H	18.0	17.2	0.006	1.18	0.066	2.19	1.49	1.13
387006CK	2305-V	22.0	16.4	0.007	0.56	0.066	2.19	1.49	1.13
386468CK	2305-H	22.0	16.4	0.007	1.18	0.066	2.19	1.49	1.13
387022CK	2306-V	27.0	15.6	0.008	0.56	0.066	2.19	1.49	1.13
386484CK	2306-H	27.0	15.6	0.008	1.18	0.066	2.19	1.49	1.13
387049CK	2307-V	33.0	11.7	0.013	0.53	0.053	2.19	1.49	1.13
386505CK	2307-H	33.0	11.7	0.013	1.14	0.053	2.19	1.49	1.13
387065CK	2308-V	39.0	11.2	0.014	0.53	0.053	2.19	1.49	1.13
386521CK	2308-H	39.0	11.2	0.014	1.14	0.053	2.19	1.49	1.13
387090CK	2309-V	47.0	10.7	0.016	0.53	0.053	2.19	1.49	1.13
386548CK	2309-H	47.0	10.7	0.016	1.14	0.053	2.19	1.49	1.13
387111CK	2310-V	56.0	10.2	0.017	0.53	0.053	2.19	1.49	1.13
386564CK	2310-H	56.0	10.2	0.017	1.14	0.053	2.19	1.49	1.13
387137CK	2311-V	68.0	7.7	0.030	0.52	0.042	2.19	1.49	1.13
386581CK	2311-H	68.0	7.7	0.030	1.13	0.042	2.19	1.49	1.13
387161CK	2312-V	100.0	7.0	0.037	0.52	0.042	2.19	1.49	1.13
386601CK	2312-H	100.0	7.0	0.037	1.13	0.042	2.19	1.49	1.13
387188CK	2313-V	120.0	6.7	0.040	0.52	0.042	2.19	1.49	1.13
386636CK	2313-H	120.0	6.7	0.040	1.13	0.042	2.19	1.49	1.13
387209CK	2314-V	150.0	5.0	0.071	0.51	0.034	2.19	1.49	1.13

JAMECO ValuePro

High Current Toroid Inductors (Continued)

2300 Series Equivalents

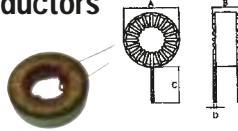
Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
386652CK	2314-H	150.0	5.0	0.071	1.12	0.034	\$2.19	\$1.49	\$1.13
387233CK	2315-V	180.0	4.8	0.078	0.51	0.034	2.19	1.49	1.13
386679CK	2315-H	180.0	4.8	0.078	1.12	0.034	2.19	1.49	1.13
387268CK	2316-V	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386695CK	2316-H	220.0	5.8	0.054	1.17	0.042	2.19	1.49	1.13
387284CK	2317-V	270.0	5.5	0.060	0.56	0.042	2.19	1.49	1.13
386724CK	2317-H	270.0	5.5	0.060	1.17	0.042	2.19	1.49	1.13
387313CK	2318-V	330.0	5.2	0.067	0.56	0.042	2.19	1.49	1.13
386741CK	2318-H	330.0	5.2	0.067	1.17	0.042	2.19	1.49	1.13
387330CK	2319-V	390.0	5.0	0.072	0.56	0.042	2.19	1.49	1.13
386767CK	2319-H	390.0	5.0	0.072	1.17	0.042	2.19	1.49	1.13

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
387364CK	2320-V	470.0	3.8	0.13	0.54	0.034	\$2.19	\$1.49	\$1.13
386783CK	2320-H	470.0	3.8	0.13	1.16	0.034	2.19	1.49	1.13
387381CK	2321-V	560.0	3.6	0.14	0.54	0.034	2.19	1.49	1.13
386812CK	2321-H	560.0	3.6	0.14	1.16	0.034	2.19	1.49	1.13
387410CK	2322-V	680.0	3.4	0.15	0.54	0.034	2.19	1.49	1.13
386839CK	2322-H	680.0	3.4	0.15	1.16	0.034	2.19	1.49	1.13
387436CK	2323-V	820.0	2.6	0.27	0.53	0.027	2.19	1.49	1.13
386855CK	2323-H	820.0	2.6	0.27	1.14	0.027	2.19	1.49	1.13
388041CK	2324-V	1000.0	2.4	0.30	0.53	0.027	2.19	1.49	1.13
386880CK	2324-H	1000.0	2.4	0.30	1.14	0.027	2.19	1.49	1.13

High Current Toroid Inductors

5700 Series Equivalents

- Low radiation • Low core loss
- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 222 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications



Part No.	Cross Ref. No.	L (μH)	IDC max. (A)	L min. @ IDC	Pricing				
					1	10	25	50	100
208258CK	5701	10	11.0	5	\$3.99	\$3.05	\$2.74	\$2.26	\$1.70
208266CK	5702	25	5.5	12	3.99	3.05	2.74	2.26	1.70
208311CK	5711	50	9.5	25	4.95	4.46	3.79	3.03	2.27
208303CK	5707	75	5.0	40	4.35	3.75	3.37	2.78	2.09
208274CK	5703	125	2.75	70	3.99	3.05	2.74	2.26	1.70
208320CK	5712	150	4.75	85	4.35	3.75	3.37	2.78	2.53
208282CK	5704	275	2.0	150	3.99	3.05	2.74	2.26	2.06
208291CK	5705	450	1.5	250	4.35	3.28	2.95	2.44	2.21

TRIAD

Inductors

Smoothing Filter Chokes

- Inductance ranges: 0.005 – 15H
- DC current ranges: 10mA to 22.5A
- Resistance ranges: 0.06 to 3,500Ω

Rod Core Inductors

- Compatible with automated P.C.B. installation
- Rod core and high current rod core inductors available

Toroidal Inductors

- Store energy & condition output signal to provide more stable current supply
- For use in differential mod applications or as output inductors

E-Core and Encapsulated Toroidal Inductors

- Used in various power supplies to eliminate noise.
- Minimize AC line transmitted interference created by high frequency switching power supplies

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors



30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 309.

Chip Inductors (SMD)

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- Flat top surface for automated pick and place



PM0805 Series Equivalents

Part No.	Cross Ref. No.	L (nH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663592CK	0805-2N2M	2.2	15	6000	0.08	600	\$0.25	\$0.225	\$0.195
663605CK	0805-3N3M	3.3	35	6000	0.08	600	.25	.225	.195
663613CK	0805-6N6M	6.8	50	5500	0.11	600	.25	.225	.195
663621CK	0805-8N2M	8.2	35	4700	0.12	600	.25	.225	.195
663630CK	0805-12NM	12.0	50	4000	0.15	600	.25	.225	.195
663648CK	0805-18NM	18.0	50	3300	0.2	600	.25	.225	.195
663656CK	0805-27NM	27.0	55	2500	0.25	500	.25	.225	.195
663664CK	0805-33NM	33.0	60	2050	0.27	500	.25	.225	.195
663672CK	0805-39NM	39.0	60	2000	0.29	500	.25	.225	.195
663681CK	0805-47NM	47.0	60	1650	0.31	500	.25	.225	.195
663699CK	0805-56NK	56.0	60	1550	0.34	500	.25	.225	.195
663701CK	0805-68NK	68.0	60	1450	0.38	500	.25	.225	.195
663710CK	0805-82NK	82.0	60	1300	0.42	400	.25	.225	.195

PM1008 Series Equivalents

Part No.	Cross Ref. No.	L (nH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663736CK	1008-10NM	10	50	4100	0.08	1000	\$0.25	\$0.166	\$0.152
663744CK	1008-12NM	12	50	3300	0.09	1000	.25	.166	.152
663752CK	1008-15NM	15	50	2500	0.10	1000	.25	.166	.152
663761CK	1008-18NM	18	50	2500	0.11	1000	.25	.166	.152
663779CK	1008-22NM	22	55	2400	0.12	1000	.25	.166	.152
663787CK	1008-27NM	27	55	1600	0.13	1000	.25	.166	.152
663795CK	1008-33NM	33	60	1600	0.14	1000	.25	.166	.152
663808CK	1008-39NM	39	60	1500	0.15	1000	.25	.166	.152
663816CK	1008-47NM	47	65	1500	0.16	1000	.25	.166	.152
663824CK	1008-56NK	56	65	1300	0.18	1000	.25	.166	.152
663832CK	1008-68NK	68	65	1300	0.20	1000	.25	.166	.152
663841CK	1008-82NK	82	60	1000	0.22	1000	.25	.166	.152
663859CK	1008-R10K	100	60	1000	0.56	650	.25	.166	.152
663867CK	1008-R12K	120	60	950	0.63	650	.25	.166	.152
663875CK	1008-R15K	150	45	850	0.70	580	.25	.166	.152
663883CK	1008-R18K	180	45	750	0.77	620	.25	.166	.152
663891CK	1008-R22K	220	45	660	0.84	500	.25	.166	.152
663904CK	1008-R27K	270	45	600	0.91	500	.25	.166	.152
663912CK	1008-R33K	330	45	570	1.05	450	.25	.166	.152
663921CK	1008-R39K	390	45	500	1.12	470	.25	.166	.152
663939CK	1008-2R7K	2700	22	80	3.20	290	.25	.166	.152
663947CK	1008-3R3K	3300	22	60	3.40	290	.25	.166	.152
663955CK	1008-3R9K	3900	20	60	3.60	260	.25	.166	.152
663963CK	1008-4R7K	4700	18	60	4.00	260	.25	.166	.152

SMD Inductors continued on next page.

JAMECO ValuePro Chip Inductors (SMD) (Continued)

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- Flat top surface for automated pick and place

NEW

PM1210 Series Equivalents

- Molded for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Ferrite bobbin core

PM1210/PM1812

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663971CK	1210-1R0J	1.0	30	120	0.70	400	\$.28	\$.261	\$.166
663980CK	1210-1R2J	1.2	30	100	0.75	390	.28	.261	.166
663998CK	1210-1R5J	1.5	30	85	0.85	370	.28	.261	.166
664000CK	1210-1R8J	1.8	30	80	0.90	350	.28	.261	.166
664018CK	1210-2R2J	2.2	30	75	1.00	320	.28	.261	.166
664026CK	1210-2R7J	2.7	30	70	1.10	290	.28	.261	.166
664034CK	1210-3R3J	3.3	30	60	1.20	260	.28	.261	.166
664042CK	1210-3R9J	3.9	30	55	1.30	250	.28	.261	.166
664051CK	1210-4R7J	4.7	30	50	1.50	220	.28	.261	.166
664069CK	1210-5R6J	5.6	30	45	1.60	200	.28	.261	.166
664077CK	1210-6R8J	6.8	30	40	1.80	180	.28	.261	.166
664085CK	1210-8R2J	8.2	30	35	2.00	170	.28	.261	.166
664093CK	1210-100J	10.0	30	30	2.10	150	.28	.261	.166
664106CK	1210-120J	12.0	30	20	2.50	140	.28	.261	.166
664114CK	1210-150J	15.0	30	20	2.80	130	.28	.261	.166
664122CK	1210-180J	18.0	30	20	3.30	120	.28	.261	.166
664131CK	1210-220J	22.0	30	20	3.70	110	.28	.261	.166
664149CK	1210-270J	27.0	30	20	5.00	80	.28	.261	.166
664157CK	1210-330J	33.0	30	17	5.60	70	.28	.261	.166
664165CK	1210-390J	39.0	30	16	6.40	65	.28	.261	.166
664173CK	1210-470J	47.0	30	15	7.00	60	.28	.261	.166
664181CK	1210-560J	56.0	30	13	8.00	55	.28	.261	.166
664190CK	1210-680J	68.0	30	12	9.00	50	.28	.261	.166
664202CK	1210-820J	82.0	30	11	10.00	45	.28	.261	.166
664211CK	1210-101J	100	20	10	10.00	40	.28	.261	.166
664229CK	1210-121J	120	20	10	11.00	70	.28	.261	.166
664237CK	1210-151J	150	20	8	15.00	65	.28	.261	.166
664245CK	1210-181J	180	20	7	17.00	60	.28	.261	.166
664253CK	1210-221J	220	20	7	21.00	50	.28	.261	.166

PM1812 Series Equivalents

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
643014CK	1812-R10K	0.10	35	300	0.18	800	\$.25	\$.225	\$.176
643022CK	1812-R12K	0.12	35	280	0.20	770	.25	.225	.176
643031CK	1812-R15K	0.15	35	250	0.22	730	.25	.225	.176
643049CK	1812-R18K	0.18	35	220	0.24	700	.25	.225	.176
643057CK	1812-R22K	0.22	40	200	0.25	665	.25	.225	.176
643065CK	1812-R27K	0.27	40	180	0.26	635	.25	.225	.176
643073CK	1812-R33K	0.33	40	165	0.28	605	.25	.225	.176
643081CK	1812-R39K	0.39	40	150	0.30	575	.25	.225	.176
643090CK	1812-R47K	0.47	40	145	0.32	545	.25	.225	.176
643102CK	1812-R56K	0.56	40	140	0.36	520	.25	.225	.176
643111CK	1812-R68K	0.68	40	135	0.40	500	.25	.225	.176
643129CK	1812-R82K	0.82	40	130	0.45	475	.25	.225	.176
643137CK	1812-1R0J	1.0	50	100	0.50	450	.25	.225	.176
643145CK	1812-1R2J	1.2	50	80	0.55	430	.25	.225	.176
643153CK	1812-1R5J	1.5	50	70	0.60	410	.25	.225	.176
643161CK	1812-1R8J	1.8	50	60	0.65	390	.25	.225	.176
643170CK	1812-2R2J	2.2	50	55	0.70	380	.25	.225	.176
643188CK	1812-2R7J	2.7	50	50	0.75	370	.25	.225	.176
643196CK	1812-3R3J	3.3	50	45	0.80	355	.25	.225	.176
643209CK	1812-3R9J	3.9	50	40	0.90	330	.25	.225	.176
643217CK	1812-4R7J	4.7	50	35	1.00	315	.25	.225	.176
643225CK	1812-5R6J	5.6	50	33	1.10	300	.25	.225	.176
643233CK	1812-6R8J	6.8	50	27	1.20	285	.25	.225	.176

PM1812 Series Equivalents (Continued)

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
643241CK	1812-8R2J	8.2	50	23	1.40	270	\$.25	\$.225	\$.176
643250CK	1812-100J	10.0	50	20	1.50	250	.25	.225	.176
643268CK	1812-120J	12.0	50	18	2.00	225	.25	.225	.176
643276CK	1812-150J	15.0	50	17	2.50	200	.25	.225	.176
643284CK	1812-180J	18.0	50	15	2.80	190	.25	.225	.176
643292CK	1812-220J	22.0	50	13	3.20	180	.25	.225	.176
643305CK	1812-270J	27.0	50	12	3.60	170	.25	.225	.178
643313CK	1812-330J	33.0	50	11	4.00	160	.25	.225	.176
643321CK	1812-390J	39.0	50	10	4.50	150	.25	.225	.176
643330CK	1812-470J	47.0	50	10	5.00	140	.25	.225	.176
643348CK	1812-560J	56.0	50	9	5.50	135	.25	.225	.176
643356CK	1812-680J	68.0	50	9	6.00	130	.25	.225	.176
643364CK	1812-820J	82.0	50	8	7.00	120	.25	.225	.176
643372CK	1812-101J	100	40	8	8.00	110	.25	.225	.176
643381CK	1812-121J	120	40	6	8.00	110	.25	.225	.176
643399CK	1812-151J	150	40	5	9.00	105	.25	.225	.176
643401CK	1812-181J	180	40	5	9.50	105	.25	.225	.176
643410CK	1812-221J	220	40	4	10.00	100	.25	.225	.176
643428CK	1812-271J	270	30	4	12.00	92	.25	.225	.176
643436CK	1812-331J	330	40	3.5	14.00	85	.25	.225	.176
643444CK	1812-391J	390	40	3	16.00	80	.25	.225	.176
643452CK	1812-471J	470	40	3	26.00	62	.25	.225	.176
643461CK	1812-561J	560	30	3	30.00	50	.25	.225	.176
643479CK	1812-681J	680	30	3	30.00	50	.25	.225	.176
643487CK	1812-821J	820	30	2.5	35.00	30	.25	.225	.176
643495CK	1812-102J	1000	25	2.5	40.00	30	.25	.225	.176

JAMECO ValuePro Molded RF Chokes

9230 Series Equivalents

- High Q and high reliability
- Miniature size
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: phenolic -55°C to +125°C, iron/ferrite -55°C to +105°C
- Overall length: 2.25" • Lead length: 1.0"
- Body length: 0.25" • Body diameter: 0.095"

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing		
							1	10	100
372285CK	9230-94	0.10	690	0.07	1100	Phenolic	\$.84	\$.55	\$.37
372293CK	9230-00	0.15	600	0.10	1100	Phenolic	.65	.41	.29
372306CK	9230-04	0.22	510	0.14	935	Phenolic	.81	.51	.33
372314CK	9230-10	0.39	380	0.30	640	Phenolic	.82	.51	.33
372322CK	9230-12	0.47	340	0.35	590	Phenolic	.81	.51	.33
372331CK	9230-14	0.56	300	0.50	495	Phenolic	.84	.76	.62
372349CK	9230-16	0.68	275	0.60	450	Phenolic	.81	.51	.33
372357CK	9230-20	1.0	230	1.0	350	Phenolic	.81	.51	.33
372365CK	9230-32	3.3	90	0.85	380	Iron	.88	.55	.40
372373CK	9230-34	3.9	82	1.0	350	Iron	1.09	.98	.82
372381CK	9230-36	4.7	75	1.2	320	Iron	.88	.55	.40
372390CK	9230-44	10.0	50	3.7	180	Iron	1.01	.62	.45
372402CK	9230-52	22.0	25	3.3	190	Iron	1.03	.63	.46
372411CK	9230-56	33.0	24	3.4	187	Ferrite	1.09	.68	.48
372429CK	9230-64	68.0	15	6.7	135	Ferrite	1.09	.68	.48
372437CK	9230-68	100	13	8.0	125	Ferrite	1.19	.74	.53
372445CK	9230-70	120	12	13.0	97	Ferrite	1.45	1.31	1.06

Free Technical Support

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JAMECO ValuePro

Molded RF Chokes

9250 Series Equivalents

- High Q and high reliability
- Ferrite magnetic shielded for low radiation
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: -55°C to +105°C

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing		
							1	10	100
372453CK	9250-102	1.0	140	0.07	1070	Iron	\$1.59	\$.97	\$.68
372461CK	9250-222	2.2	100	0.19	650	Iron	1.59	.97	.68
372470CK	9250-472	4.7	70	0.55	380	Iron	1.59	.97	.68
372488CK	9250-103	10.0	46	1.62	220	Iron	1.59	.97	.68
372496CK	9250-223	22.0	41	0.96	290	Ferrite	1.59	.97	.68
372509CK	9250-473	47.0	27	2.11	195	Ferrite	1.75	1.07	.75
372517CK	9250-104	100.0	10	3.12	160	Ferrite	1.89	1.17	.82
372525CK	9250-224	220.0	7.5	5.0	125	Ferrite	1.89	1.17	.82
372533CK	9250-474	470.0	5.7	9.5	92	Ferrite	1.89	1.17	.82
372541CK	9250-105	1000.0	3.8	17.5	70	Ferrite	1.89	1.17	.82
372550CK	9250-225	2200.0	0.97	33.8	50	Ferrite	2.19	1.34	.94
372568CK	9250-106	10,000.0	0.47	137	24	Ferrite	2.35	1.44	1.01

JAMECO ValuePro

Hash RF Chokes

5200 Series Equivalents

- Low cost
- Low DCR
- High current capacity
- Varnish coated
- Ideal for use as EMI filter, output choke, smoothing coil

Part No.	Cross Ref. No.	L ±10% (μH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current (mA)	Pricing		
						1	10	100
642396CK	5230	4	7.96	0.012	8.0	\$1.49	\$.92	\$.66
642409CK	5240	40	1.0	0.082	3.0	1.49	.92	.66
642417CK	5254	250	1.0	0.17	2.5	1.55	1.23	.88
642425CK	5256	500	1.0	0.25	2.0	1.75	1.07	.75
642433CK	5258	1000	1.0	0.6	1.0	1.79	1.10	.77

JAMECO ValuePro

Axial Leaded RF Chokes

4600 Series Equivalents

- Inductive tolerance: 10%
- Operating temperature: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19.0mm max.
C = 25.0±2.0mm; D = 0.65±0.5mm

Part No.	Cross Ref. No.	L (μH) @ 1kHz	Q min.	SRF (MHz) min.	DCR Ω max.	IDC (mA)	Pricing		
							1	10	100
208063CK	4602	1	60	190	0.05	2000	\$.75	\$.68	\$.58
208071CK	4604	1.5	58	149	0.093	1800	.75	.68	.51
208080CK	4606	2.4	56	120	0.19	1500	.75	.68	.51
208098CK	4608	3.9	60	93	0.45	1000	.75	.68	.58
208101CK	4609	5.5	57	80	0.67	850	.75	.68	.51
208119CK	4610	6.2	57	76	0.83	700	.75	.68	.51
208127CK	4611	8.2	57	65	1.2	600	.75	.68	.58
208135CK	4612	10	36	61	1.5	500	.75	.68	.58
642337CK	4624	15	62	33	0.17	1000	.75	.68	.58
642345CK	4626	24	65	25	0.34	800	.75	.68	.58
642353CK	4629	55	72	17	1	500	.75	.68	.58
642388CK	4632	100	107	12	3	400	1.05	.95	.80

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JAMECO ValuePro

High Current Axial RF Chokes

- High current capacity
- Ferrite bobbin core
- Low DCR
- Test frequency: 1kHz

5800 Series Equivalents

Part No.	Cross Ref. No.	L ±10% (μH)	DCR Max. (Ω)	DC Current Max. (A)	Pricing		
					1	10	100
642548CK	5800-3R9	3.9	0.019	1.28	\$1.19	\$.72	\$.51
642556CK	5800-8R2	8.2	0.028	1.28	1.19	.72	.51
642564CK	5800-100	10	0.033	1.28	1.19	.72	.51
642572CK	5800-470	47	0.109	0.804	1.19	.72	.51
642581CK	5800-560	56	0.14	0.804	1.19	.72	.51
642599CK	5800-820	82	0.152	0.804	1.19	.72	.51
642601CK	5800-101	100	0.208	0.632	1.19	.72	.51
642610CK	5800-121	120	0.283	0.508	1.19	.72	.51
642628CK	5800-151	150	0.34	0.508	1.19	.72	.51
642636CK	5800-181	180	0.362	0.508	1.19	.72	.51
642644CK	5800-221	220	0.43	0.508	1.19	.72	.51
642652CK	5800-271	270	0.557	0.4	1.19	.72	.51
642661CK	5800-331	330	0.665	0.4	1.19	.72	.51
642679CK	5800-391	390	0.772	0.4	1.19	.72	.51
642687CK	5800-471	470	1.15	0.315	1.19	.72	.51
642695CK	5800-102	1000	2.30	0.200	1.19	.72	.51
642708CK	5800-152	1500	3.45	0.158	1.19	.72	.51
642716CK	5800-222	2200	4.48	0.158	1.19	.72	.51
642724CK	5800-472	4700	10.5	0.1	1.19	.72	.51
642732CK	5800-602	6800	16.3	0.082	1.19	.72	.51
642741CK	5800-103	10,000	26.4	0.05	1.19	.72	.51

5900 Series Equivalents

642759CK	5900-100	10	0.017	8.7	\$2.09	\$1.28	\$.90
642767CK	5900-220	22	0.026	6.07	2.09	1.28	.90
642775CK	5900-470	47	0.035	4	2.09	1.28	.90
642783CK	5900-560	56	0.037	3.66	2.09	1.28	.90
642791CK	5900-101	100	0.09	2.79	2.09	1.28	.90
642804CK	5900-121	120	0.113	2.54	2.09	1.28	.90
642812CK	5900-151	150	0.129	2.22	2.09	1.28	.90
642821CK	5900-221	220	0.162	1.89	2.09	1.28	.90
642839CK	5900-271	270	0.208	1.63	2.09	1.28	.90
642847CK	5900-331	330	0.212	1.51	2.09	1.28	.90
642855CK	5900-391	390	0.281	1.39	2.09	1.28	.90
642863CK	5900-471	470	0.38	1.2	2.09	1.28	.90
642871CK	5900-681	680	0.548	1	2.09	1.28	.90
642880CK	5900-102	1000	0.844	0.8	2.09	1.28	.90
642898CK	5900-152	1500	1.18	0.7	2.09	1.28	.90
642901CK	5900-472	4700	3.19	0.4	2.09	1.28	.90
642919CK	5900-682	6800	5.69	0.322	2.09	1.28	.90
642927CK	5900-103	10,000	7.3	0.266	3.19	1.97	1.39

JAMECO ValuePro

Conformal Coated RF Chokes

5300 Series Equivalents

- High current and high self-resonant frequency
- Low DCR
- Low cost
- Epoxy coated to protect winding from harsh environments

Part No.	Cross Ref. No.	L ±10% (μH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing		
						1	10	100
644332CK	5300-03	1.5	160.0	0.019	3300	\$1.29	\$1.16	\$1.00
644341CK	5300-10	5.6	64.0	0.074	1600	1.29	1.16	1.00
644367CK	5300-13	10.0	25.0	0.095	1500	1.29	1.16	1.00
644375CK	5300-17	22.0	8.4	0.19	1000	1.29	1.16	1.00
642476CK	5300-19	33.0	7.6	0.24	910	1.29	1.16	1.00
642492CK	5300-25	100.0	3.9	0.67	550	1.29	1.16	1.00
642530CK	5300-33	470.0	1.4	3.4	240	1.29	1.16	.88

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Jameco ValuePro Epoxy Conformal Coated RF Chokes

77F Series Equivalents

- High current and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 550Vrms • Body length: 0.41"
- Operating temp.: -55°C to +105°C
- Overall length: 2.41" • Lead length: 1.0"



Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing		
						1	10	100
371995CK	77F6R8	6.8	68.0	0.48	550	.43	.39	.32
372007CK	77F100	10.0	45.0	0.58	500	.43	.39	.32
372015CK	77F270	27.0	7.6	0.94	390	.43	.39	.32
372023CK	77F330*	33.0	6.3	1.03	370	.43	.39	.32
372031CK	77F470*	47.0	6.3	1.22	340	.43	.39	.32
372040CK	77F820*	82.0	5.3	1.62	290	.43	.39	.32
372058CK	77F101*	100.0	4.8	1.80	275	.43	.39	.32
372066CK	77F221*	220.0	3.0	5.10	155	.43	.39	.32
372074CK	77F331*	330.0	2.6	6.40	137	.43	.39	.32
372082CK	77F391*	390.0	2.4	7.00	133	.43	.39	.32
372091CK	77F102*	1000.0	1.4	14.0	100	.43	.39	.32

* L (μH) ±5%

78F Series Equivalents

- High Q and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 500Vrms • Body length: 0.28"
- Operating temp.: -55°C to +105°C
- Overall length: 2.28" • Lead length: 1.0"

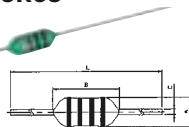


Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing		
						1	10	100
372103CK	78FR68	0.68	250	0.12	495	.42	.26	.173
372111CK	78F1R0	1.0	180	0.15	385	.42	.26	.173
372120CK	78F1R8	1.8	125	0.25	455	.42	.26	.173
372138CK	78F2R7	2.7	95	0.30	355	.42	.26	.173
372146CK	78F3R3*	3.3	70	0.34	270	.42	.26	.173
372154CK	78F4R7*	4.7	50	0.35	230	.42	.26	.173
372162CK	78F8R2*	8.2	28	0.55	155	.42	.26	.173
372171CK	78F100*	10.0	22	0.72	130	.42	.26	.173
372189CK	78F120*	12.0	20	0.80	155	.42	.26	.173
372197CK	78F220*	22.0	13	1.20	140	.42	.26	.173
372200CK	78F270*	27.0	11	1.35	135	.42	.26	.173
372218CK	78F330*	33.0	10	1.50	195	.42	.26	.173
372226CK	78F390*	39.0	9.5	1.70	185	.42	.26	.173
372234CK	78F470*	47.0	8.5	2.30	167	.42	.26	.173
372242CK	78F101*	100.0	5.5	3.50	125	.42	.26	.173
372251CK	78F121*	120.0	5.4	3.80	100	.42	.26	.173
372269CK	78F221*	220.0	4.0	5.70	76	.42	.26	.173
372277CK	78F471*	470.0	2.5	11.6	53	.42	.26	.173

* L (μH) ±5%

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Tolerance: 5%
- Size: A = 3.2mm max. B = 7.0mm max.
C = 0.48±0.5mm (except P/N 208143CK:
0.50±0.5mm) D = 63±3mm



Part No.	L (μH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing		
							1	10	100
208143CK	10	60	7.96	28.7	1.56	670	.49	.45	.39
208151CK	27	50	2.52	10.2	2.39	410	.42	.34	.168
208160CK	33	50	2.52	8.4	2.71	380	.49	.45	.338
208178CK	47	50	2.52	6.9	3.3	330	.42	.341	.173
208186CK	82	45	2.52	5.4	4.62	240	.42	.213	.16
208194CK	100	45	2.52	5.0	4.98	240	.49	.45	.39
208207CK	220	45	0.796	3.3	9.23	180	.42	.341	.173
208215CK	330	45	0.796	2.7	13.2	140	.42	.213	.16
208223CK	470	45	0.796	2.2	21.4	120	.42	.341	.173
208231CK	820	45	0.796	1.7	28.4	90	.42	.213	.16
208240CK	1000	45	0.796	1.5	31.3	80	.49	.45	.39

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Operating temp.: -30°C ~ +130°C
- Maximum allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%



Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing		
					1	10	500
207520CK	NTC-101	100	3100	-3.5	.59	.52	.468
207511CK	NTC-201	200	3100	-3.5	.59	.52	.468
207503CK	NTC-301	300	3100	-3.5	.59	.52	.468
207491CK	NTC-501	500	3100	-3.5	.59	.52	.468
207482CK	NTC-102	1k	3800	-4.3	.59	.52	.468
207474CK	NTC-202	2k	3800	-4.3	.59	.52	.468
207466CK	NTC-302	3k	3900	-4.4	.59	.52	.468
207458CK	NTC-402	4k	3900	-4.4	.59	.52	.468
207440CK	NTC-502	5k	3900	-4.4	.59	.52	.468
207036CK	NTC-103	10k	4100	-4.6	.59	.52	.468
207028CK	NTC-153	15k	4100	-4.6	.59	.52	.468
207010CK	NTC-203	20k	4200	-4.7	.59	.52	.468
207001CK	NTC-503	50k	4200	-4.7	.59	.52	.468
206990CK	NTC-104	100k	4400	-4.9	.59	.52	.468
206981CK	NTC-204	200k	4500	-5.1	.59	.52	.468

Modem Coupling Transformers

125356CK:

- Insulation resistance: 100MΩ
- Hipot tested: 1000VAC
- ±20% impedance matching
- ±20% DC resistance matching



117760CK:

- Dielectric strength: 1250VAC
- Insertion loss: 2.50dB @ 1kHz



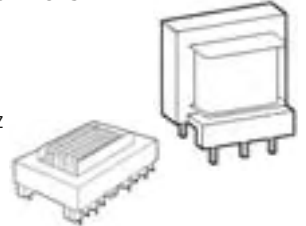
Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125356CK	XFR6006A14	600CT	600CT	65	55	\$1.35	\$1.28	\$1.17
117760CK	671-8014	600	600	108	120	1.99	1.69	1.27

TRIAD

Audio Transformers

PC Mount

- Used in line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input applications.
- Frequency response ranges: 200 – 15,000Hz
- Impedance matching: 10% over freq. range



Data Voice Coupling

- Dielectric strength (FCC 68.304): 1500V
- Power level: -45dBm to +7dBm
- Frequency range: data/voice = 300 to 3,500Hz; data = 800 to 3,500Hz

MIL-T-27E

- Red Spec transformers designed and constructed to meet the rigid requirements of MIL-T-27E.
- Frequency response ranges: 300Hz – 100kHz • Power level: to 50mW

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See Complete Transformer Offering at www.Jameco.com/Prod/TriadAudio

Committed to You

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages @ www.Jameco.com.



LA Series Equivalent Radial Leaded Varistors



ZA Series Equivalent Radial Leaded Varistors



NEW



NEW



* Prepackaged: please order in increments of 10 or 100

* Prepackaged: please order in increments of 10 or 100

Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage		Transient Energy Joules	Maximum Clamping Voltage		Pricing		
			RMS V _M (AC)	DC V _M (DC)		V _C	I _{PK} (A)	1	10	100
667032CK	V130LA2R	7	130	200	17.5	340	10	*	\$.15	\$.112
667091CK	V150LA2R	7	150	240	21	395	10	*	.13	.112
667155CK	V275LA2R	7	275	430	40	710	10	*	.13	.112
667041CK	V130LA5R	10	130	200	35	340	25	*	.16	.144
667067CK	V140LA5R	10	140	220	39	360	25	*	.158	.144
667104CK	V150LA5R	10	150	240	42	395	25	*	.15	.128
667147CK	V250LA10R	10	250	390	70	650	25	*	.16	.144
667366CK	V130LA10AR	14	130	200	70	340	50	.21	.19	.168
667075CK	V140LA10AR	14	140	220	78	360	50	.26	.228	.198
667112CK	V150LA10AR	14	150	240	84	395	50	.26	.228	.198
667180CK	V320LA20AR	14	320	510	190	845	50	.26	.228	.198
667201CK	V420LA20AR	14	420	680	130	1120	50	.26	.228	.198
667227CK	V480LA40AR	14	485	780	148	1290	50	.34	.308	.269
667243CK	V510LA40AR	14	510	820	157	1355	50	.49	.435	.384
667059CK	V130LA20BR	20	130	200	140	340	100	.41	.359	.313
667121CK	V150LA20AR	20	150	240	170	395	100	.41	.359	.313
667163CK	V275LA40AR	20	275	430	303	710	100	.41	.359	.313
667198CK	V320LA40BR	20	320	510	382	845	100	.37	.33	.30
667219CK	V420LA40BR	20	420	680	23	1120	100	.52	.468	.416
667235CK	V480LA80BR	20	485	780	265	1290	100	.60	.58	.52
667251CK	V510LA80BR	20	510	820	282	1355	100	.62	.55	.472

LA Series Radial Leaded Varistors

- AC power line applications
- Power supplies
- High energy absorption
- UL recognized as "transient voltage surge suppressors"
- UL recognized as "across-the-line components"



LA Series		Size	Max. Ratings (+85°C)		Characteristics at 25°C		Pricing				
			Continuous	Transient	Max Clamping Volt.						
Part No.	Cross Ref. No.	Disc Dia. (mm)	RMS V _{M(AC)}	DC V _{M(DC)}	Energy (10/1000µs)	@ I _{PK} Value Curr. (8/20µs)	Pricing				
			Volts	Volts	W _{TM}	V					
34446CK	V130LA10A	14	130	175	38	340	50	\$.29	\$.25	\$.22	\$.20
34471CK	V250LA20A	14	250	330	72	650	50	.39	.35	.32	.30
34462CK	V130LA20A	20	130	175	70	340	100	.59	.56	.54	.52



ZA Series Radial Leaded Varistor

- Through-hole mount
- Bidirectional clamping polarity

ZA Series		Size	Max. Ratings (+85°C)		Characteristics at 25°C		Pricing (100 pcs. minimum)				
			Continuous	Transient	Maximum Clamping						
Part No.	Cross Ref. No.	Disc Dia. (mm)	RMS V _{M(AC)}	DC V _{M(DC)}	Energy (10/1000µs)	V _C	I _{PK}	Pricing			
			Volts	Volts	Joules	Volts	Amps				
638231CK	V682A2R	7	40	56	3	127	5	\$.14	\$.133	\$.124	

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


BA Series Metal Oxide Varistor

- Bolt-down mount
- Bidirectional clamping polarity

BA Series		Size	Max. Ratings (+85°C)		Characteristics at 25°C		Pricing (10 pcs. minimum)				
			Continuous	Transient	Varistor Voltage						
Part No.	Cross Ref. No.	Disc Dia. (mm)	RMS V _{M(AC)}	DC V _{M(DC)}	Energy (2ms)	Varistor Voltage at 1mA DC Test Current	Pricing				
			Volts	Volts	Joules	Volts					
638223CK	V481BA60R	480	640	1600	670	750	825	\$88.99	\$85.25	\$83.52	

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
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Order 24/7 Toll Free 1-800-831-4242

Passives

Purge the Surge!

Many of the new electronic controller applications are not implemented in electrically clean environments. A car's electrical system, for instance, is polluted by the ignition and charging systems.

When you're designing a circuit, do you protect it from potential board-blowing surges? Sure, caps will dampen voltage transitions, but they do little to high-energy, short-duration impulses. And while other devices like TVS's may help with lower-energy impulses, you really should consider implementing Varistors in your designs.

Varistors can typically respond in a nanosecond to suppress positive and negative transients. Some of the devices on this page will withstand currents of about 100A. Compared to diodes, they have a very long lifetime. And most importantly, you'll always know when a varistor fails, because it simply short circuits.

Isn't your design worth the protection?

Practical Practices
 Money Saving Tips for the Engineer

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

RA Series

- Rated voltage (V_{MAX}): 60V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

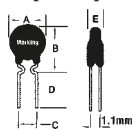


Fig. 1



Fig. 2

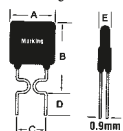


Fig. 3



Fig. 4

RB Series

- Rated voltage (V_{MAX}): 30V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.0mm max.

Part No.	Mfg. P/N	Hold Curr.		Trip Curr.	Fig.	Size (mm)			Pricing			
		(I_H , A)	(I_T , A)			A	B	C	1	10	100	500
199814CK	RA010-60	0.10	0.20	1	7.4	12.7	5.1	.45	.41	.39	.31	
199831CK	RA020-60	0.20	0.40	1	7.4	12.2	5.1	.45	.41	.39	.31	
199849CK	RA025-60	0.25	0.50	1	7.4	12.7	5.1	.45	.41	.39	.31	
199857CK	RA030-60	0.30	0.60	1	7.4	13.0	5.1	.45	.41	.39	.31	
199865CK	RA040-60	0.40	0.80	1	7.6	13.5	5.1	.49	.44	.41	.32	
199873CK	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.49	.46	.43	.32	
199881CK	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.50	.47	.43	.34	
199890CK	RA075-60	0.75	1.50	1	10.4	15.2	5.1	.50	.47	.43	.34	
199902CK	RA090-60	0.90	1.80	1	11.7	15.8	5.1	.52	.49	.45	.30	
199911CK	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40	
199929CK	RA135-60	1.35	2.70	2	14.5	19.6	5.1	.58	.56	.53	.41	
199937CK	RA160-60	1.60	3.20	2	16.3	21.3	5.1	.60	.57	.54	.42	
199945CK	RA185-60	1.85	3.70	2	17.8	22.9	5.1	.59	.55	.45	.39	
199953CK	RA250-60	2.50	5.00	2	21.3	26.4	10.2	.70	.63	.57	.49	
199961CK	RA300-60	3.00	6.00	2	24.9	30.0	10.2	.74	.67	.60	.50	
199970CK	RA375-60	3.75	7.50	2	28.5	33.5	10.2	.74	.67	.53	.41	

Part No.	Mfg. P/N	Hold Curr.		Trip Curr.	Fig.	Size (mm)			Pricing			
		(I_H , A)	(I_T , A)			A	B	C	1	10	100	500
199988CK	RB090-30	0.90	1.80	3	7.4	12.2	5.1	.48	.43	.35	.26	
199996CK	RB110-30	1.10	2.20	3	7.4	14.2	5.1	.48	.43	.39	.31	
200002CK	RB135-30	1.35	2.70	3	8.9	13.5	5.1	.48	.46	.43	.34	
200011CK	RB160-30	1.60	3.20	3	8.9	15.2	5.1	.45	.42	.39	.31	
200029CK	RB185-30	1.85	3.70	3	10.2	15.7	5.1	.48	.43	.39	.32	
200037CK	RB250-30	2.50	5.00	3	11.4	18.3	5.1	.52	.48	.43	.34	
200045CK	RB300-30	3.00	6.00	4	11.4	17.3	5.1	.57	.52	.48	.37	
200053CK	RB400-30	4.00	8.00	4	14.0	20.1	5.1	.62	.57	.52	.40	
200061CK	RB500-30	5.00	10.00	4	14.0	24.9	10.2	.67	.60	.54	.44	
200070CK	RB600-30	6.00	12.00	4	16.5	24.9	10.2	.73	.67	.61	.48	
200088CK	RB700-30	7.00	14.00	4	19.1	26.7	10.2	.80	.73	.67	.52	
200096CK	RB800-30	8.00	16.00	4	21.6	29.2	10.2	.95	.86	.77	.62	
200109CK	RB900-30	9.00	18.00	4	24.1	29.7	10.2	.89	.79	.69	.59	

Fuse Clips

- Low contact resistance
- Low profile
- Withstands shock and vibration

Prepackaged: order in increments of 10, 100 or 1000



Fig. 1



Fig. 2

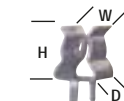


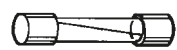
Fig. 3

Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102859CK	5mm, front leads	1	.37 x .25 x .21 x .19	.12	.09	.05
119280CK	5mm, side leads	2	.33 x .25 x .20 x .21	.09	.08	.07
102841CK	1/4", front leads (10A)	3	.32 x .27 x .25 x .23	.09	.08	.07
220732CK	5mm, front leads (10A)	3	.33 x .27 x .25 x .29	.15	.10	.07

1/4" x 1/4" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses

Prepackaged: order in increments of 10, 100 or 1000



Part No.	Amps	Cross Ref.	10	100	1000
69403CK	250mA	AGC-250mA	.20	.18	.16
10410CK	500mA	AGC-1/2	.20	.18	.16
197510CK	630mA	AGC-630mA	.20	.18	.16
10372CK	1A	AGC-1	.20	.12	.11
197528CK	1.6A	AGC-1.6	.20	.12	.11
10381CK	2A	AGC-2	.20	.12	.11
197536CK	2.5A	AGC-2 1/2	.26	.12	.10
69438CK	3A	AGC-3	.20	.12	.11
197544CK	4A	AGC-4	.22	.20	.18
10401CK	5A	AGC-5	.22	.20	.18
197552CK	6.3A	AGC-6.3	.22	.20	.18
69462CK	10A	AGC-10	.25	.22	.20
186301CK	16A	—	.25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses



Part No.	Amps	Cross Ref.	1	10	100	1000
25654CK	250mA	MDL-1/4	.75	.59	.50	.40
25689CK	500mA	MDL-1/2	.69	.59	.50	.37
25638CK	1A	MDL-1	.69	.59	.50	.37
25646CK	2A	MDL-2	.55	.44	.34	.28
69534CK	3A	MDL-3	.55	.44	.34	.28
25671CK	5A	MDL-5	.55	.44	.34	.28
69569CK	10A	MDL-10	.75	.65	.51	.40

5mm x 20mm Mini Fuses

Fast Acting Fuses (250V) GMA Fuses

- Recommended for new designs
- Prepackaged: order in increments of 10, 100, 500 or 1000



Part No.	Amps	Cross Ref.	10	100	500	1000
103886CK	250mA	GMA-250mA	.20	.15	.11	.10
102040CK	500mA	GMA-500mA	.20	.15	.11	.10
103907CK	1A	GMA-1	.20	.15	.11	.10
103915CK	2A	GMA-2	.25	.18	.13	.12
103923CK	3A	GMA-3	.20	.15	.11	.10
103931CK	5A	GMA-5	.20	.15	.11	.10

Slow Blow Fuses (250V) GMD Fuses

- Prepackaged: order in increments of 10, 100 or 1000



Part No.	Amps	Cross Ref.	10	100	1000
197501CK	500mA	GMD-500mA	.29	.26	.23
197464CK	1A	GMD-1	.29	.26	.23
197472CK	2A	GMD-2	.35	.32	.29
197481CK	3.15A	GMD-3.15	.35	.32	.29
197499CK	5A	GMD-5	.35	.32	.29

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat

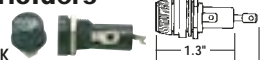


Part No.	Description	1	10	100
102832CK	Fuse holder UL/CSA	\$1.95	\$1.79	\$1.59

Panel Mount Fuse Holders

1/4" x 1/4" Standard Thumbscrew Cap

- Straight solder terminal; 10A @ 250VAC 18702CK



Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120993CK	—	1.95"L x .71"Dia.	.58"Dia. (Double D-style)	.79	.69	.55	.49
18702CK	UL/CSA	2.05"L x .71"Dia.	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.15	.99

5mm x 20mm Miniature Thumbscrew Cap

- Straight solder terminal; Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150463CK	—	6A @ 250VAC	.50"Dia. x .43"Flat	.99	.86	.75	.57
102824CK	UL/CSA	10A @ 250VAC	.50"Dia.	.99	.85	.72	.59

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108783CK orange



1/4" x 1/4" Standard							
Part No.	AWG	Wire Lgths	Body Size(L)	Body Color	1	10	100
109321CK	22	3.5/3"	2.4"	Black ..	\$.65	\$.58	\$.52
102867CK	20	3/3"	2.2"	White ...	.65	.58	.48
151917CK	18	6/6"	2.4"	White ...	.99	.85	.65
108783CK	16	21/26"	2.2"	Black ....	.99	.87	.68
108791CK	14	19/25"	2.5"	Black ..	1.59	1.45	1.05

5mm x 20mm Miniature

Part No.	AWG	Color	Body Size (L)	1	10	100
109330CK	20	Red	1.8"	.69	.56	.45

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



Part No.	Product No.	1	10	25
645343CK	K/FF	\$12.29	\$11.68	\$11.09

Littelfuse Fuse Series



ATO® 257 Series

- Fast acting and Slo-Blo® type fuses
- Standard for automobiles & trucks

FLNR Fuses

- Dual-element, time-delay • 250VAC

AC Midget — KLK Series

- Fast acting for use in circuits with high AC fault current capacity

Class CC — CCMR Series

- Fast acting protection to equipment containing surge sensitive components

ATO® In-Line Fuseholders

- For use with ATO® Fuses 1-20A
- Supplied with (2) 4" wire leads/16AWG

LR60060-3 Class R Fuseholder

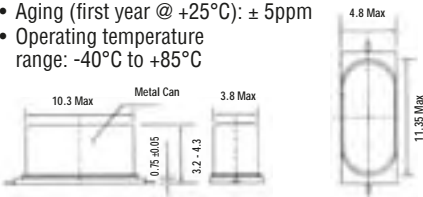
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See Our Complete Littelfuse Offering at
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JAMECO ValuePro SMD HC49US Crystals

The CSM-7 is an excellent choice for SMD version of the CHC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

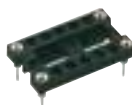
- Frequency stability: $\pm 100\text{ppm}$
- Drive level: 0.5mw
- Aging (first year @ +25°C): $\pm 5\text{ppm}$
- Operating temperature range: -40°C to +85°C



Part No.	Product No.	Freq. (MHz)	Imped.	1	10	100
325868CK	JVP-325868	3.579545	17pF	.83	.70	.55
325876CK	JVP-325876	3.6864	20pF	.83	.70	.55
325884CK	JVP-325884	4.0	20pF	.83	.70	.55
325892CK	JVP-325892	6.0	32pF	.83	.70	.55
325905CK	JVP-325905	7.3728	20pF	.83	.70	.55
325913CK	JVP-325913	8.0	18pF	.83	.70	.55
325921CK	JVP-325921	12.0	20pF	.83	.70	.56
325930CK	JVP-325930	14.31818	20pF	.83	.70	.55
325948CK	JVP-325948	16.0	20pF	.83	.70	.56
325956CK	JVP-325956	18.432	20pF	.83	.70	.55
325964CK	JVP-325964	19.6608	20pF	.83	.70	.55
325972CK	JVP-325972	20.0	20pF	.83	.70	.55
325981CK	JVP-325981	24.0	20pF	.83	.70	.55

JAMECO ValuePro Crystal Oscillator Socket

- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins • 14-pin
- Good for prototyping and PCB mounting

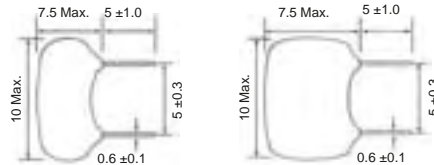


Part No.	Description	1	10	100	1000
133006CK	Oscillator socket ...	\$.55	\$.46	\$.34	\$.31

JAMECO ValuePro Ceramic Resonators

The ZTA series ceramic resonator offers wide frequency range and extended temperature range capabilities.

- Frequency accuracy: $\pm 0.5\%$ @ 25°C
- Wide frequency range
- Extended temperature range: -20°C to +85°C
- Temperature stability: $\pm 0.3\%$
- Aging for 10 years: $\pm 0.3\%$
- Withstanding voltage (5 sec.): 100V max.
- High stability
- Low profile
- Drive level: 0.5mw



- Resonant resistance: 30Ω max.

Part No.	Comparable to:	Freq. (MHz)	Pins	Pricing		
				1	10	100
324591CK	TZTA-3M58MG	3.58	2	\$.28	\$.255	\$.25
324603CK	TZTA-4.00MG	4.0	2	.28	.255	.25
324611CK	TZTA-4.19MG	4.19	2	.38	.32	.255
324700CK	TZTT-4.19MG	4.19	3	.42	.355	.285
324620CK	TZTA-6.00MT	6.0	2	.28	.26	.255
324718CK	TZTT-6.00MT	6.0	3	.31	.285	.275

- Resonant resistance: 25Ω max.

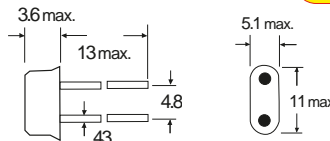
Part No.	Comparable to:	Freq. (MHz)	Pins	Pricing		
				1	10	100
324638CK	TZTA-8.00MT	8.0	2	\$.28	\$.26	\$.255
324726CK	TZTT-8.00MT	8.0	3	.31	.285	.275
324558CK	TZTA-10.00MT	10.0	2	.28	.255	.25
324566CK	TZTA-12.00MT	12.0	2	.28	.255	.25
324654CK	TZTT-12.00MT	12.0	3	.31	.285	.275

- Resonant resistance: 55Ω max.

Part No.	Comparable to:	Freq. (MHz)	Pins	Pricing		
				1	10	100
324574CK	TZTA-16.00MT	16.0	2	\$.28	\$.255	\$.25
324662CK	TZTT-16.00MT	16.0	3	.31	.285	.275
324582CK	TZTA-20.00MT	20.0	2	.28	.255	.25
324671CK	TZTT-20.00MT	20.0	3	.31	.285	.275

HC49/S Case (Low Profile Crystals)

- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: $\pm 5\text{ppm}$ year max.
- Frequency stability tolerance: $\pm 50\text{ppm}$



Part No.	Comparable to:	Freq. (MHz)	Imped.	Max. Resist.	1	10
137816CK	CY3.57LP	3.579545	17pF	150Ω	\$.79	\$.71
137832CK	CY4LP	4.000	17pF	120Ω	.99	.89
137859CK	CY8LP	8.000	Series	60Ω	.63	.57
137875CK	CY11.05LP	11.0592	Series	50Ω	1.05	.81
137891CK	CY16LP	16.000	Series	40Ω	.35	.32

Jameco's Got the Docs

We offer free technical documents for most of the products we carry.
 Find them easily on our web product specification pages @ www.Jameco.com.

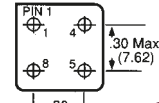
JAMECO ValuePro TTL Oscillators (Half Can)

Specifications:

- Input voltage: +5VDC $\pm 0.5\text{VDC}$
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006CK, pg 93
- Frequency stability $\pm 100\text{ppm}$
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



325497CK



Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
325500CK	3.579545	15mA	10ns	\$1.35	\$1.22	\$1.17
325518CK	3.6864	15mA	10ns	1.35	1.22	1.17
325526CK	4.0	15mA	10ns	1.32	1.21	1.17
325534CK	5.0688	15mA	10ns	1.32	1.21	1.17
325542CK	6.0	15mA	10ns	1.32	1.21	1.17
325551CK	6.144	15mA	10ns	1.32	1.21	1.17
325569CK	8.0	30mA	10ns	1.32	1.21	1.17
325577CK	9.216	30mA	10ns	1.32	1.21	1.17
325585CK	9.8304	30mA	10ns	1.35	1.22	1.17
354829CK	10.0	25mA	5ns	1.35	1.22	1.17
325593CK	11.0592	30mA	10ns	1.35	1.22	1.17
325606CK	12.0	30mA	10ns	1.35	1.22	1.17
325614CK	14.31818	30mA	10ns	1.35	1.22	1.17
325622CK	16.0	30mA	10ns	1.35	1.22	1.17
325631CK	16.257	30mA	10ns	1.35	1.22	1.17
325649CK	18.432	30mA	10ns	1.35	1.22	1.17
325657CK	19.6608	30mA	10ns	1.35	1.22	1.17
325665CK	20.0	30mA	10ns	1.35	1.22	1.17
325673CK	25.0	70mA	5ns	1.35	1.22	1.17
325681CK	28.322	70mA	5ns	1.35	1.22	1.17
325690CK	30.0	46mA	5ns	1.35	1.22	1.17
325702CK	32.0	70mA	5ns	1.35	1.22	1.17
325711CK	32.514	70mA	5ns	1.35	1.22	1.17
325729CK	40.0	70mA	5ns	1.41	1.29	1.16
325737CK	48.0	70mA	5ns	1.35	1.22	1.17

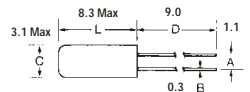
Other Manufacturers

325462CK	1.0	15mA	10ns	\$1.35	\$1.22	\$.96
325471CK	1.2288	15mA	10ns	1.35	1.22	.96
325489CK	1.8432	15mA	10ns	1.39	1.29	1.01
325497CK	2.0	25mA	5ns	1.35	1.22	.96
102779CK	10.0	45mA	6ns	1.45	1.31	1.04
325745CK	64.0	70mA	5ns	1.35	1.22	1.10

Blue Part No. = Limited Quantity Available

JAMECO ValuePro Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency tolerance: $\pm 20\text{ppm}$
- Drive level: 1mw
- Aging for first year: $\pm 3\text{ppm}$ (max. +25°C)
- Frequency: 32.768kHz

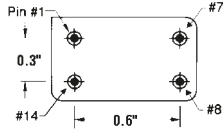


Part No.	Comparable to:	Imped.	1	10	100	1000
14584CK	CY32.76	10.5pF	\$.89	\$.79	\$.69	\$.59
325243CK	JVP-325243	12.5pF	.23	.215	.185	.135

TTL Oscillators (Full Can)

Specifications:

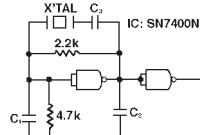
- Input voltage: +5VDC ± 0.5 VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006CK, pg 93
- Frequency stability ± 100 ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

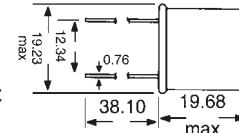
Crystals

- Frequency calibration tolerance: ± 50 ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0 mW maximum
- Shunt capacitance: 7pF maximum
- Frequency stability tolerance: ± 50 ppm from -10°C to +60°C

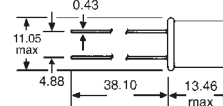


Application Reference (4-14MHz) (parallel resonance)

C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance



HC33/U Case



HC49/U (HC18/U) Case

Dimensions in millimeters

HC49/US Low Profile Case

HC33/U Case

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
14349CK	1.0	13pF	\$4.95	\$4.46	\$3.56

HC49/U (HC18/U) Case

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324224CK	1.8432	13pF	.95	.86	.82
324283CK	2.0	Series	.94	.85	.82
324275CK	2.0	20pF	.94	.85	.82
324312CK	2.5	Series	.78	.71	.68
324321CK	3.0	Series	.78	.71	.68
324347CK	3.6864	18pF	.31	.284	.274
324363CK	4.0	Series	.31	.284	.274
324355CK	4.032	20pF	.31	.284	.274
324371CK	4.194	12pF	.31	.284	.274
324401CK	4.9152	Series	.31	.284	.274
324380CK	4.9152	20pF	.31	.284	.274
324427CK	5.0	Series	.31	.284	.274
324419CK	5.0	20pF	.31	.284	.274
324435CK	5.0688	20pF	.31	.284	.274
324443CK	5.185	32pF	.31	.284	.274
324460CK	6.0	Series	.31	.284	.274
324451CK	6.0	32pF	.31	.284	.274
324478CK	6.5536	12pF	.31	.284	.274
324486CK	7.68	20pF	.31	.284	.274
324494CK	8.0	18pF	.31	.284	.274
324507CK	8.0	20pF	.31	.284	.274
324515CK	8.0	32pF	.31	.284	.274
324531CK	9.216	Series	.31	.284	.274

Other Manufacturers

102613CK	1.8432	18pF	\$.99	\$.91	\$.73
102621CK	2.0	Series	.78	.75	.73
101274CK	2.4576	32pF	.91	.62	.496
14525CK	3.2768	18pF	\$.74	.63	.57
14533CK	3.579545	18pF	\$.47	.40	.37
14568CK	3.6864	18pF	.28	.256	.23
14592CK	4.0	20pF	.59	.54	.41
14621CK	4.9152	Series	.28	.256	.23

HC49/US Low Profile Case

324988CK	3.6864	18pF	\$.36	\$.325	\$.31
324961CK	4.0	20pF	.36	.325	.31
324937CK	4.096	20pF	.36	.325	.31
324929CK	5.0	20pF	.36	.325	.31
324831CK	7.3728	20pF	.36	.325	.31
324822CK	7.3728	20pF	.62	.57	.50
324814CK	7.68	20pF	.36	.325	.31
324806CK	8.0	18pF	.36	.325	.31
324785CK	8.0	20pF	.36	.325	.31
324777CK	8.0	32pF	.36	.325	.31
324742CK	9.216	Series	.36	.325	.31
324734CK	9.8304	20pF	.36	.325	.31
325227CK	11.0592	20pF	.36	.325	.31

† Industrial temperature range (-40°C to 85°C)

HC49/U (HC18/U) Case (Continued)

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324523CK	9.216	20pF	\$.31	\$.284	\$.274
324540CK	9.9304	20pF	.31	.284	.274
324128CK	11.0592	Series	.31	.284	.274
324110CK	11.0592	32pF	.31	.284	.274
324136CK	11.52	Series	.31	.284	.274
324144CK	11.98135	Series	.31	.284	.274
324152CK	12.288	20pF	.31	.284	.274
324161CK	13.5168	Series	.31	.284	.274
324179CK	14.31818	Series	.31	.284	.255
324187CK	14.7456	20pF	.31	.284	.274
324195CK	14.7456	Series	.31	.284	.274
324208CK	16.0	20pF	.31	.284	.274
324216CK	18.0	20pF	.31	.284	.274
324232CK	18.432	20pF	.31	.284	.274
324241CK	19.6608	20pF	.31	.284	.274
324259CK	19.6608	Series	.31	.284	.274
324267CK	20.0	20pF	.31	.284	.274
324304CK	22.1184	Series	.31	.284	.274
324339CK	35.2512	18pF	.31	.284	.274
324398CK	49.86	20pF	.31	.284	.274

Other Manufacturers

14681CK	6.0	18pF	\$.28	\$.256	\$.23
14699CK	6.144	30pF	.28	.256	.23
539743CK	6.176	18pF	.28	.26	.24
14710CK	7.3728	30pF	.28	.256	.23
14728CK	8.0	Series	.67	.59	.52
14381CK	10.0	Series	.79	.69	.59
120061CK	11.0592	Series	.80	.71	.68
14402CK	12.0	Series	\$.89	.80	.68
537799CK	14.31818	Series	.28	.26	.24
14453CK	16.0	Series	\$.79	.68	.61
14517CK	20.0	Series	.79	.69	.59

HC49/US Low Profile Case (Cont.)

325219CK	11.0592	32pF	\$.36	\$.325	\$.31
325201CK	12.0	20pF	.36	.325	.31
325198CK	12.0	20pF	.62	.57	.50
325180CK	12.0	32pF	.36	.325	.31
325171CK	12.288	20pF	.36	.325	.31
325121CK	16.0	20pF	.62	.57	.50
325112CK	18.432	20pF	.36	.325	.31
325104CK	18.432	20pF	.62	.57	.50
325067CK	20.0	20pF	.36	.325	.31
325059CK	20.0	20pF	.62	.57	.50
325024CK	24.0	20pF	.62	.57	.50
325016CK	24.576	20pF	.36	.325	.31
325008CK	25.0	18pF	.36	.325	.31

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion

Each kit includes a 20-drawer component cabinet (319599CK), 20 clear plastic drawers (319601CK), 20 clear dividers (319610CK), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.



81875CK (Capacitor Kit)

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Cabinet: ABS-Black
- Weight: 4.6 to 6.4 lbs.
- Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

Need a refill?
Just call
1-800-831-4242



81832CK (Resistor Kit)

Radial Electrolytic Capacitor Kit

SAVE \$11

Includes 240 pcs. (15 values) $\pm 20\%$ Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100 μ F @ 50V	1000 μ F @ 16V	1 μ F @ 50V	3.3 μ F @ 50V	22 μ F @ 50V
220 μ F @ 25V	2200 μ F @ 25V	1 μ F @ 100V	4.7 μ F @ 50V	47 μ F @ 50V
470 μ F @ 25V	3300 μ F @ 25V	2.2 μ F @ 50V	10 μ F @ 50V	100 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81867CK	240 pcs. Radial Capacitor kit	5.3	\$29.95	\$26.95
130331CK	Refill for 81867CK (240 pcs.)	0.5	17.95	16.49

Axial Electrolytic Capacitor Kit

SAVE \$11

Includes 140 pcs. (10 values) $\pm 20\%$ Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47 μ F @ 50V	220 μ F @ 50V	1000 μ F @ 25V	1 μ F @ 50V	10 μ F @ 50V
100 μ F @ 50V	470 μ F @ 50V	2200 μ F @ 16V	4.7 μ F @ 50V	2.2 μ F @ 50V
Part No.	Description	Wt. (lbs.)	1	10
81875CK	140 pcs. Axial Capacitor kit	5.3	\$37.95	\$34.15
130340CK	Refill for 81875CK (140 pcs.)	0.6	24.95	22.49

Mylar Capacitor Kit

SAVE \$21

Includes 280 pcs. (10 values) 100V $\pm 10\%$ Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001 μ F	.022 μ F	.047 μ F	.47 μ F	.01 μ F
.0047 μ F	.033 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81883CK	280 pcs. Mylar Capacitor kit	5.1	\$37.95	\$34.15
130358CK	Refill for 81883CK (280 pcs.)	0.3	19.95	17.95

Dipped Tantalum Capacitor Kit

SAVE \$31

Includes 150 pcs. (15 values) $\pm 20\%$ Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1 μ F @ 35V	1 μ F @ 25V	3.3 μ F @ 35V	10 μ F @ 16V	22 μ F @ 16V
.22 μ F @ 35V	1 μ F @ 35V	4.7 μ F @ 35V	10 μ F @ 35V	33 μ F @ 25V
.47 μ F @ 35V	2.2 μ F @ 16V	6.8 μ F @ 35V	15 μ F @ 25V	47 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81841CK	150 pcs. Tantalum Capacitor kit	4.8	\$79.95	\$71.95
130260CK	Refill for 81841CK (150 pcs.)	0.3	59.95	53.95

Ceramic Disc Capacitor Kit

SAVE \$15

Includes 520 pcs. (10 values) 50V $\pm 20\%$ Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022 μ F	.01 μ F
22pF	100pF	.001 μ F	.047 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81859CK	520 pcs. Ceramic Capacitor kit	5.0	\$35.95	\$32.35
130232CK	Refill for 81859CK (520 pcs.)	0.3	17.95	16.49

Monolithic Ceramic Capacitor Kit

SAVE \$11

Includes 280 pcs. (10 values) 50V $\pm 20\%$ Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001 μ F	.047 μ F	.47 μ F	.01 μ F
100pF	.0022 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
171475CK	280 pcs. Monolithic Capacitor kit	5.0	\$29.95	\$26.95
171483CK	Refill for 171475CK (280 pcs.)	0.3	17.95	15.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/8-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.5k Ω	3.3k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	2k Ω	5.1k Ω	22k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2.2k Ω	5.6k Ω	27k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.7k Ω	6.8k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
108329CK	540 pcs. 1/8-watt Resistor kit	4.9	\$24.95	\$22.49			
108302CK	Refill for 108329CK (540 pcs.)	0.2	12.95	11.49			

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.2k Ω	2.7k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	1.5k Ω	3.3k Ω	20k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2k Ω	5.1k Ω	22k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.2k Ω	5.6k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
81832CK	540 pcs. 1/4-watt Resistor kit	4.9	\$27.95	\$24.95			
103165CK	Refill for 81832CK (540 pcs.)	0.2	12.95	11.49			

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.5k Ω	3.3k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	2k Ω	5.1k Ω	22k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2.2k Ω	5.6k Ω	27k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.7k Ω	6.8k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
107879CK	540 pcs. 1/2-watt Resistor kit	5.1	\$29.95	\$26.95			
107852CK	Refill for 107879CK (540 pcs.)	0.4	14.95	13.49			

1/2-Watt Single Turn Cermet Pot Kit

SAVE \$29

See page 84 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500 Ω	63P2k Ω	63P10k Ω	63P50k Ω	63P500k Ω
63P1k Ω	63P5k Ω	63P20k Ω	63P100k Ω	63P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85032CK	100 pcs. single turn Pot kit	4.9	\$65.95	\$59.35

3/4-Watt 15 Turn Cermet Pot Kit

SAVE \$32

See page 84 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500 Ω	43P2k Ω	43P10k Ω	43P50k Ω	43P500k Ω
43P1k Ω	43P5k Ω	43P20k Ω	43P100k Ω	43P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85041CK	100 pcs. 15 turn Pot kit	4.9	\$82.95	\$74.65

Individually Sold Potentiometers

See pages 82-85



Belden Coaxial Cables



Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance, performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. Engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, and more. For our complete line of Belden products, please visit www.Jameco.com/Belden.

50Ω Transmission and Computer Cable RG8/X & RG8/U Type

16 AWG stranded (19x29) .058" bare copper RG8/X type

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .0242" • Color: black

Part No.	Product No.	Description	1	5	10
234254CK	9258-100-10	100' reel	\$59.99	\$54.99	\$49.99
234256CK	9258-500-10	500' reel	346.55	314.47	298.73
234255CK	9258-1000-10	1000' reel	601.15	559.17	538.20
234258CK	9258-U500-10	500' unreel box	357.05	324.01	307.79
234257CK	9258-U1000-10	1000' unreel box	619.35	576.12	554.52

13 AWG stranded (7 x 21) .085" bare copper RG8/U type

- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Product No.	Description	1	5	10
232848CK	8237-100-10	100' reel	\$166.05	\$151.09	\$138.36
232856CK	8237-500-10	500' reel	629.09	571.86	549.03
232864CK	8237-1000-10	1000' reel	1,135.85	1,041.29	961.12

11 AWG stranded (7 x 19) .108" bare copper RG8/U type

- Nominal outer diameter: .285" • Color: black
- Foam polyethylene insulation & black PVC jacket • 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω

Part No.	Product No.	Description	1	5	10
232750CK	8214-100-10	100' reel	\$178.55	\$162.30	\$148.77
232768CK	8214-500-10	500' reel	780.65	709.66	650.05
232776CK	8214-1000-10	1000' reel	1,303.55	1,203.17	1,117.27

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper

- Nominal outer diameter: .193" • Color: black
- Polyethylene insulation and black PVC jacket • 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω

Part No.	Product No.	Description	1	5	10
232872CK	8240-100-10	100' reel	\$48.55	\$43.99	\$39.99
232881CK	8240-500-10	500' reel	166.75	151.50	138.88
232899CK	8240-1000-10	1000' reel	358.25	328.38	303.14
234175CK	8240-U500-10	500' unreel box	202.99	184.17	142.57
234174CK	8240-U1000-10	1000' unreel box	333.29	302.42	287.33

20 AWG stranded (19 x 33) .035" tinned copper

- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .192" • Color: black

Part No.	Product No.	Description	1	5	10
232936CK	8259-100-10	100' reel	\$50.65	\$45.93	\$41.73
232944CK	8259-500-10	500' reel	178.89	154.64	140.48
232952CK	8259-1000-10	1000' reel	322.95	295.99	273.21

20 AWG stranded (19 x 32) .037" tinned copper

- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Product No.	Description	1	5	10
232813CK	8219-100-10	100' reel	\$39.99	\$37.49	\$34.99
232821CK	8219-500-10	500' reel	257.99	234.47	214.89
232830CK	8219-1000-10	1000' reel	406.75	372.87	344.16

50Ω Transmission and Computer Cable RG174/U Type

26 AWG stranded (7 x 34) .019" bare copper-covered steel

- 90% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .110" • Color: black

Part No.	Product No.	Description	1	5	10
232784CK	8216-100-10	100' reel	\$40.85	\$37.08	\$33.68
232792CK	8216-500-10	500' reel	131.65	119.44	108.52
232805CK	8216-1000-10	1000' reel	278.85	263.29	250.13

75Ω Broadband Coax CATV Cable RG6/U Type

18 AWG solid .040" bare copper-covered steel

- Duobond® II +60% aluminum braid shield
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .270" • Color: black

Part No.	Product No.	Description	1	5	10
233269CK	9116-100-10	100' reel	\$20.89	\$17.56	\$16.68
233277CK	9116-500-10	500' reel	65.55	57.37	54.50
233285CK	9116-1000-10	1000' reel	119.45	113.48	107.80
447831CK	9116-U500-010	500' unreel box	53.45	46.75	39.99
447822CK	9116-U1000-010	1000' unreel box	93.29	83.70	77.69

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

18 AWG solid .040" bare copper-covered steel

- Duobond® IV quad shield • Nominal outer diameter: .298"
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
232733CK	1189A-100-10	100' reel (black)	\$23.99	\$20.14	\$18.13
233402CK	1189A-500-10	500' reel (black)	83.99	67.87	64.48
232741CK	1189A-1000-10	1000' reel (black)	183.45	174.27	165.55
234052CK	1189A-U500-10	500' unreel box (black)	100.99	81.61	77.53
447110CK	1189A-U1000-10	1000' unreel box (black)	136.95	122.19	111.93
447101CK	1189A-U1000-09	1000' unreel box (white)	131.65	117.49	109.99

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper

- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- DuoFoil® +95% tinned copper braid shield • Nominal outer diameter: .275"

Part No.	Product No.	Description	1	5	10
234099CK	1694A-100-10	100' reel (black)	\$66.49	\$55.86	\$53.07
234155CK	1694A-500-10	500' reel (black)	234.89	191.33	177.23
234154CK	1694A-1000-10	1000' reel (black)	488.39	396.49	382.18
447241CK	1694A-1000-02	1000' reel (red)	478.25	433.21	388.24
447259CK	1694A-1000-04	1000' reel (yellow)	465.85	433.21	388.24
447267CK	1694A-1000-06	1000' reel (blue)	465.85	433.21	388.24
447275CK	1694A-1000-08	1000' reel (gray)	362.45	340.42	336.41
447283CK	1694A-1000-09	1000' reel (white)	362.45	340.42	336.41

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Belden Ribbon Cable

9L28014 - 0.50" Pitch

- 28 AWG (7 x 36) tinned copper
- PVC insulation

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Ribbon Cable Offering at www.Jameco.com/Prod/BeldenRibbon



Belden Coaxial Cables (Continued)

Direct Broadcast Satellite RG6 Type Cable

18 AWG solid .040" bare copper

- DuoBond® II +60% aluminum braid
- Gas injected foam polyethylene insulation, PVC jacket
- Nominal capacitance: 16.2pF/m • Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
234156CK	1829AC-100-10	100' reel (black)	\$14.99	\$13.99	\$12.99
234177CK	1829AC-500-10	500' reel (black)	54.99	52.24	49.63
234157CK	1829AC-1000-10	1000' reel (black)	123.25	110.88	105.34
447312CK	1829A-U1000-010	1000' unreel box (black)	96.09	85.74	79.43

Composite Data, Audio, Video, Security and Control Cable

Two RG6 18 AWG solid bare copper conductors and two 4-pair UTP 24 AWG solid bare copper conductors

- Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Component nominal outer diameter: .200" • Banana Peel™ jacketless cables

Part No.	Product No.	Description	1	5	10
234163CK	7913S-500	500' reel (black)	\$279.85	\$264.83	\$262.53
234162CK	7913S-1000	1000' reel (black)	700.85	682.06	663.31

75Ω Standard Analog Video Cable RG59/U Type

23 AWG solid .023" bare copper

- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket • Nominal outer diameter: .242"
- Nominal capacitance: 67.3pF/m • Nominal impedance: 75Ω • Color: black

Part No.	Product No.	Description	1	5	10
232901CK	8241-100-10	100' reel	\$53.75	\$50.46	\$46.52
232910CK	8241-500-10	500' reel	141.55	132.81	122.47
232928CK	8241-1000-10	1000' reel	271.45	259.32	248.69
447478CK	8241-U500-10	500' unreel box	103.65	96.67	95.21
447460CK	8241-U1000-10	1000' unreel box	222.89	199.33	187.57

22 AWG stranded (7 x 30) .030" bare copper

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .241" • Color: black

Part No.	Product No.	Description	1	5	10
232653CK	9259-100-10	100' reel	\$56.79	\$53.04	\$48.86
232661CK	9259-500-10	500' reel	156.55	142.23	139.40
232670CK	9259-1000-10	1000' reel	383.19	369.43	350.45
234070CK	9259-U500-10	500' unreel box	196.85	178.84	175.29
234069CK	9259-U1000-10	1000' unreel box	383.19	369.43	350.45

Broadband Coax (Headend/Video Cables)

20 AWG solid .031" bare copper

- Nominal capacitance 68.9pF/m • Color: black
- Nominal outer diameter: .305" • Nominal impedance: 75Ω
- 98% tinned copper double braid shield • Polyethylene insulation and jacket

Part No.	Product No.	Description	1	5	10
232961CK	8281-100-10	100' reel	\$85.49	\$72.06	\$68.46
232979CK	8281-500-10	500' reel	483.25	414.18	372.43
232987CK	8281-1000-10	1000' reel	906.39	773.15	739.32

20 AWG solid .032" solid bare copper

- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234"

Part No.	Product No.	Description	1	5	10
234086CK	1505A-100-10	100' reel (black)	\$51.05	\$42.89	\$40.75
234088CK	1505A-500-10	500' reel (black)	214.35	174.59	173.96
234087CK	1505A-1000-10	1000' reel (black)	435.29	359.73	358.14
447136CK	1505A-1000-04	1000' reel (yellow)	297.49	275.76	275.09

♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Belden Coaxial Cables (Continued)

RG59 Type Security Coaxial Cable

20 AWG solid bare copper conductor

- 95% bare copper braid shield • Nominal impedance: 75Ω
- Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications • Color: black

Part No.	Product No.	Description	1	5	10
234158CK	543945-100-10	100' reel	\$15.45	\$15.35	\$15.25
234160CK	543945-500-10	500' reel	64.95	61.98	58.92
234159CK	543945-1000-10	1000' reel	139.99	132.27	125.66

Standard Analog Video Cable 75Ω Miniature Coax

27 AWG stranded (7x35) .017" bare copper-covered steel

- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Color: black
- Nominal impedance: 75Ω • Nominal outer diameter: .100"

Part No.	Product No.	Description	1	5	10
234173CK	8218-U500-10	500' unreel box	\$217.09	\$196.96	\$178.98
234172CK	8218-U1000-10	1000' unreel box	534.15	484.61	460.38



Belden Coaxial Cables

549945 – 75Ω Composite – Alarm, Security and Audio Cable

- RG59/U • PVC jacket
- 1 pair 18 AWG (7 x 26) • Color: black
- Foam Polyolefin insulation (coax) & PVC insulation (Pair)
- 20 AWG solid bare copper with bare copper braid shield

9100 – RG-59 Broadband MATV

- 20 AWG solid bare copper covered steel • PVC jacket
- DuoBond® II shield (foil and braid, 40%) • Color: black
- Gas injected foam Polyethylene insulation

9228 – RG-62A/U Computer/Instrumentation 93Ω

- 22 AWG solid bare copper covered steel
- Bare copper braid shield (95%) • Color: black
- Semi-solid polyethylene insulation • High-density Polyethylene jacket

9248 – RG-6/U Standard Analog Video

- 18 AWG solid bare copper • PVC jacket
- Duofoil® Shield 100% • HDPE insulation • Color: black

89907 – RG58A/U Ethernet 50Ω

- 20 AWG stranded (19x32) tinned copper
- DuoBond® II shield • Plenum
- Fluorocopolymer jacket • Foam FEP insulation

88241 – RG59/U Standard Analog Video

- 23 AWG solid bare copper covered steel conductor
- Bare copper braid shield • Plenum
- FEP jacket • FEP insulation • Color: black

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Coax Offering at www.Jameco.com/Prod/BeldenCoax



Bus Bar Hook Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
234168CK	8022-100	24 AWG, 100' reel	\$12.09	\$10.94	\$9.95
234169CK	8022-1000	24 AWG, 1000' reel	70.55	56.99	52.62
234166CK	8021-100	22 AWG, 100' reel	13.45	10.81	9.77
234167CK	8021-1000	22 AWG, 1000' reel	91.39	77.91	72.05
234164CK	8020-100	20 AWG, 100' reel	16.39	14.36	12.98
234165CK	8020-1000	20 AWG, 1000' reel	141.49	120.59	111.51

♣ Blue Part No. = Limited Quantity Available

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

RoHS

RoHS Compliant Product
RoHS Also Available

Details
on
Page 1

Color Code Legend
New Sale Lower\$ QtySave

Belden COT

Belden Speaker Cables

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Clear PVC jacket
- Parallel (1) tinned (1) bare
- PVC insulation



18 AWG Stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
232573CK	9708-100-368	100' reel	\$27.15	\$24.65	\$22.59
232581CK	9708-500-368	500' reel	144.55	136.90	129.31
232590CK	9708-1000-368	1000' reel	283.55	270.87	259.77
234153CK	9708-U500-368	500' unreel box	181.95	172.33	162.77
234080CK	9708-U1000-368	1000' unreel box	339.85	324.70	311.39

14 AWG Stranded (19 x 27)

232602CK	9717-100-368	100' reel	\$65.49	\$55.09	\$49.45
233429CK	9717-500-368	500' reel	255.69	242.25	218.04
232611CK	9717-1000-368	1000' reel	539.85	509.72	458.88

12 AWG Stranded (65 x 30)

232629CK	9718-100-368	100' reel	\$126.35	\$106.13	\$100.82
232637CK	9718-500-368	500' reel	466.95	412.98	379.25
232645CK	9718-1000-368	1000' reel	1,341.25	1,262.34	1,183.44

Belden COT

Belden Hook-Up Wire

UL AWM Style 1007

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.

- Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated
- Increments of 100' or 1000' reels



Use the color code chart below to replace the "xx" when ordering

01 - Brown	02 - Red	03 - Orange	04 - Yellow	05 - Green
07 - Violet	08 - Gray	09 - White	10 - Black	13 - Dark blue

e.g. 234601CK - 2346 is the Jameco designation for 28 AWG stranded wire and 01 is for color brown

Part No.	Product No.	Description	1	5	10
2346xxCK	9928-100-xx	28 AWG (7 x 36) stranded	\$13.19	\$10.77	\$9.93
2345xxCK	9926-100-xx	26 AWG (7 x 34) stranded	16.85	15.25	13.84
2344xxCK	9923-100-xx	24 AWG (7 x 32) stranded	15.89	14.44	13.08
2343xxCK	9921-100-xx	22 AWG (7 x 30) stranded	17.05	15.56	14.12
2342xxCK	9919-100-xx	20 AWG (7 x 28) stranded	23.69	21.48	19.55
2341xxCK	9918-100-xx	18 AWG (16 x 30) stranded	27.99	26.32	23.03
2340xxCK	9916-100-xx	16 AWG (26 x 30) stranded	38.79	31.52	29.14
447902CK	9923-1000-02	24 AWG (7 x 32) stranded red	101.35	96.64	91.94
447911CK	9923-1000-07	24 AWG (7 x 32) stranded violet	91.55	83.66	76.91

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Belden COT

Belden Hook-Up Wire

35610 - 10 AWG Stranded Polyethylene Insulated XL-DUR®

83003/83006/83009/83010 - 18 AWG Stranded Silver Coated Copper TFE Insulated High-Temp Teflon®

8500/8505/8520/8522/8523/8527/8530/8916/8917 - 12 to 26 AWG Solid or Stranded Tinned Copper PVC Insulated PVC

8899 - 18 AWG Stranded Rubber Insulated TC Test Prod Wire

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Hook-up Wire at www.Jameco.com/Prod/BeldenHookup

Belden COT

Paired Cables

5100UE/5200UE - Audio, Alarm & Security

- 14 AWG (19x27) or 16 AWG (19 x 29) bare copper
- PVC jacket
- Non-plenum
- Rip cord
- PVC insulation
- Color: gray
- 2 conductor



8471/8473 - Unshielded Audio, Control & Instrumentation

- 14 AWG (42 x 30) or 16 AWG (19 x 29) stranded
- Chrome PVC jacket
- Tinned copper
- Twisted pair
- PVC insulation



8764/8768/8777/8778 - Shielded Audio, Control & Instrumentation

- 22 AWG (7 x 30) stranded or solid
- Beldfoil® shield
- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- 22 AWG drain wire
- Polypropylene insulation
- Individually shielded



1422A/8107/8110 - Shielded Low Capacitance Computer

- 24 AWG (7 x 32) stranded
- Braid or Beldfoil® shield
- Chrome PVC jacket
- Tinned copper
- Datalene® insulation
- 24 AWG drain wire



1883A - Shielded Audio, Control & Instrumentation

- 24 AWG (7 x 32) stranded
- Overall Beldfoil® shield
- PVC jacket
- Color: gray
- Tinned copper
- Polypropylene insulation
- 24 AWG drain wire



1860A - Audio

- 12 AWG (19 x 26) stranded high conductivity bare copper
- PVC jacket
- Plenum
- Flamarrest® insulation



8412 - Microphone & Musical Instrument

- 20 AWG (19 x 26) stranded high conductivity tinned copper
- EPDM jacket
- Cotton wrap
- Rubber insulation



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See Complete Belden Paired Cable at www.Jameco.com/Prod/BeldenPaired

Belden COT

Multi-Conductor Cables

7921A - DataTuff® Category 5e

- 24 AWG solid bare copper
- Overall Beldfoil
- Industrial PVC jacket
- Solid spiral drain wire
- Polyolefin insulation
- Non-plenum



9536 - Overall Beldfoil® Shield Computer

- 24 AWG (7 x 32) stranded
- Tinned copper
- Semi-rigid PVC insulation
- PVC jacket
- 24 AWG tinned copper drain wire



9418 - Overall Beldfoil® Audio Control & Instrumentation

- 18 AWG (19 x 30) stranded tinned copper
- 20 AWG drain wire
- Semi-rigid PVC insulation
- Chrome PVC jacket



8489/9430 - Unshielded Audio Control & Instrumentation

- 18 AWG (19 x 30) or 22 AWG (7 x 30) stranded
- Tinned copper
- 4 or 6 conductors
- PVC insulation
- Chrome PVC jacket



5200UE/5300UE/5302UE - Unshielded Security & Alarm

- 18 AWG or 16 AWG stranded
- PVC jacket
- Bare copper
- 2 or 4 conductors
- PVC insulation



1510C - Analog Snake Beldfoil® Shielded

- 24 AWG (7 x 32) stranded tinned copper
- PVC jacket
- Individually shielded & jacketed pairs
- Polyolefin insulation



1700A/7881A - Cat 5e Bonded/6 Unbonded Datatwist® UTP

- 24 AWG or 23 AWG solid bare copper
- Rip cord
- PVC jacket
- Non-plenum
- Polyolefin insulation



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See Complete Belden Multiconductor Cable at www.Jameco.com/Prod/BeldenMulti



Belden cable products are manufactured in a variety of gauge sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including PVC, Plenum and High-Temperature versions to meet the technical requirements of many different types of systems. Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit www.Jameco.com/Belden.

- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- Tinned copper drain wire
- Overall 100% BELDFOIL® shield (for shielded cables)

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Semi-rigid PVC insulation
- Nominal DCR: 24Ω/m
- Nominal impedance: 75Ω
- Color: chrome



9501 Series



9502 Series



9503 Series



9504 Series

Part No.	Product No.	No. of Pairs	Description	1	5	10
232709CK	9501-100-60	1	100' reel	\$23.85	\$21.64	\$19.68
232717CK	9501-500-60	1	500' reel	92.05	87.14	82.31
232725CK	9501-1000-60	1	1000' reel	174.35	164.62	152.71
234073CK	9501-U500-60	1	500' unreel box	108.79	103.00	97.29
234072CK	9501-U1000-60	1	1000' unreel box	166.15	156.86	147.62
232451CK	9502-100-60	2	100' reel	35.65	32.39	29.43
232469CK	9502-500-60	2	500' reel	140.39	127.60	116.96
232477CK	9502-1000-60	2	1000' reel	283.49	259.90	239.88
234075CK	9502-U500-60	2	500' unreel box	155.99	141.75	129.94
234074CK	9502-U1000-60	2	1000' unreel box	272.79	258.58	239.89
232485CK	9503-100-60	3	100' reel	37.35	31.72	29.51
232493CK	9503-500-60	3	500' reel	179.29	169.81	160.41
232506CK	9503-1000-60	3	1000' reel	378.05	357.04	331.20
234077CK	9503-U500-60	3	500' unreel box	226.39	214.44	202.58
234076CK	9503-U1000-60	3	1000' unreel box	408.35	385.65	366.38
232514CK	9504-100-60	4	100' reel	41.99	39.49	36.29
232522CK	9504-500-60	4	500' reel	243.89	231.02	218.20
232531CK	9504-1000-60	4	1000' reel	415.15	392.05	381.85
232549CK	9505-100-60	5	100' reel	62.05	50.25	46.75
232557CK	9505-500-60	5	500' reel	192.25	174.78	160.19
232565CK	9505-1000-60	5	1000' reel	505.55	463.45	427.76
234078CK	9505-U500-60	5	500' unreel box	311.25	294.84	278.43
234079CK	9505-U1000-60	5	1000' unreel box	589.69	556.87	529.03

Low Capacitance Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Datalene® insulation, chrome PVC jacket
- Nominal DCR: 24Ω/m
- Nominal impedance: 100Ω
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234178CK	1419A-100-60	2	100' reel	\$24.99	\$22.49	\$19.99
234085CK	1419A-500-60	2	500' reel	144.05	131.99	113.03
234084CK	1419A-1000-60	2	1000' reel	264.55	242.43	223.76

Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"



Part No.	Product No.	No. of Pairs	Description	1	5	10
233111CK	8451-100-10	1	100' reel (black)	\$19.99	\$18.59	\$16.99
233120CK	8451-500-10	1	500' reel (black)	91.55	83.55	76.59
233138CK	8451-1000-10	1	1000' reel (black)	177.05	162.28	149.80
234062CK	8451-U500-10	1	500' unreel box (black)	113.65	103.31	94.69
234061CK	8451-U1000-10	1	1000' unreel box (blk)	202.85	185.95	171.62
447531CK	8451-U1000-08	1	1000' unreel box (gray)	126.35	124.65	123.85

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Audio, Control, and Instrumentation Cables Non-Plenum (Cont'd)

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.135"
- PVC jacket
- Color: gray



Part No.	Product No.	No. of Pairs	Description	1	5	10
232688CK	9451-100-08	1	100' reel	\$24.99	\$22.49	\$19.99
232696CK	9451-500-08	1	500' reel	92.85	82.50	75.28
233411CK	9451-T1000-08	1	1000' reel	147.99	143.13	135.97
447881CK	9451-U1000-10	1	1000' unreel box	151.79	137.89	124.09

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.175"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234190CK	8761-500-60	1	500' reel	\$112.05	\$101.59	\$92.33
234189CK	8761-1000-60	1	1000' reel	285.35	261.58	241.45
234192CK	8761-U500-60	1	500' unreel box	150.25	134.42	126.51
234191CK	8761-U1000-60	1	1000' unreel box	271.49	232.42	221.41

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234179CK	8723-100-60	2	100' reel	\$30.19	\$27.17	\$24.15
234181CK	8723-500-60	2	500' reel	153.45	139.18	126.47
234180CK	8723-1000-60	2	1000' reel	263.19	241.32	222.72
234183CK	8723-U500-60	2	500' unreel box	137.85	125.05	113.63
234182CK	8723-U1000-60	2	1000' unreel box	324.59	306.79	289.79

20 AWG stranded (7 x 28) unshielded

- Chrome PVC jacket
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	2	5
234171CK	8205-U500-60	1	500' unreel box	\$97.79	\$80.93	\$76.77
234170CK	8205-U1000-60	1	1000' unreel box	223.35	204.74	188.99

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire

- Semi-rigid PVC insulation and overall chrome PVC jacket
- Nominal capacitance: 180pF/m
- Nominal outer diameter: 0.300"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234259CK	9402-100-60	2	100' reel	\$64.99	\$62.49	\$59.99
234261CK	9402-U500-60	2	500' unreel box	409.29	381.99	354.70
234260CK	9402-1000-60	2	1000' reel	944.85	865.45	798.82

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234184CK	8760-100-60	1	100' reel	\$34.99	\$32.49	\$29.99
447671CK	8760-250-60	1	250' reel	69.75	66.54	63.29
234186CK	8760-500-60	1	500' reel	158.29	143.63	130.51
234185CK	8760-1000-60	1	1000' reel	384.25	364.06	345.85
234188CK	8760-U500-60	1	500' unreel box	112.89	107.22	103.84
234187CK	8760-U1000-60	1	1000' unreel box	279.45	264.72	251.36

Belden COT Paired Line Level Analog Audio Cable

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.204"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234194CK	8762-100-60	1	100' reel	\$26.45	\$24.79	\$23.93
234196CK	8762-500-60	1	500' reel	146.05	138.32	130.64
234195CK	8762-1000-60	1	1000' reel	260.99	246.49	232.02
234198CK	8762-U500-60	1	500' unreel box	137.79	130.51	123.27
234197CK	8762-U1000-60	1	1000' unreel box	335.45	316.83	298.19

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.313"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
233146CK	8719-100-60	1	100' reel	\$59.99	\$54.99	\$49.99
233154CK	8719-500-60	1	500' reel	267.09	242.34	220.34
233162CK	8719-1000-60	1	1000' reel	443.85	418.46	393.10
234064CK	8719-U500-60	1	500' unreel box	198.65	180.24	163.88
234063CK	8719-U1000-60	1	1000' unreel box	579.05	545.91	512.83

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
233171CK	8720-100-60	1	100' reel	\$59.99	\$51.55	\$48.97
233189CK	8720-500-60	1	500' reel	298.85	279.32	259.83
233197CK	8720-1000-60	1	1000' reel	621.75	578.37	563.91
234065CK	8720-U500-60	1	500' unreel box	416.99	389.78	362.59

**Paired DataTwist®
Category 5e UTP Cable**

TIA/EIA – 568-B.2, unbonded-pair cable

- 4 pair unshielded • 24 AWG solid
- Maximum DCR per 100m – 9.38Ω
- Input impedance: 100Ω



1585A series:

- Plenum, FEP Teflon® insulation, Flamarrest® jacket • Nominal outer dia.: 0.200"

1583A series:

- Non-plenum, polyolefin insulation, PVC jacket • Nominal outer dia.: 0.214"

Part No.	Product No.	Color	Description	1	5	10
234092CK	1585A-100-877	Natural	100' reel	\$29.99	\$28.49	\$26.99
234094CK	1585A-500-877	Natural	500' reel	129.99	114.99	99.99
234093CK	1585A-1000-877	Natural	1000' reel	199.99	182.49	181.89
234095CK	1585A-U1000-877	Natural	1000' unreel box	199.99	189.99	179.99
234096CK	1585A-U100-D15	Blue	100' unreel box	29.99	28.49	26.99
234098CK	1585A-U500-D15	Blue	500' unreel box	129.99	114.99	99.99
234097CK	1585A-U1000-D15	Blue	1000' unreel box	199.99	189.99	179.99
234089CK	1583A-100-06	Blue	100' reel	9.99	9.69	9.49
234176CK	1583A-500-06	Blue	500' reel	49.99	44.99	39.99
234090CK	1583A-1000-06	Blue	1000' reel	85.69	77.75	70.64
234091CK	1583A-U1000-06	Blue	1000' unreel box	85.69	77.75	74.99
447179CK	1583A-U1000-02A	Red	1000' unreel box	70.15	66.36	62.56
447187CK	1583A-U1000-03A	Orange	1000' unreel box	70.15	66.36	62.56
447195CK	1583A-U1000-04A	Yellow	1000' unreel box	70.15	66.36	62.56
447208CK	1583A-U1000-05A	Dk. green	1000' unreel box	70.15	66.36	62.56
447216CK	1583A-U1000-09A	White	1000' unreel box	70.15	66.36	62.56
447224CK	1583A-U1000-10A	Black	1000' unreel box	70.15	66.36	62.56
447232CK	1586A-U1000-F6H	Dk. gray	1000' unreel box	70.15	66.36	62.56

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**Multi-Conductor Audio, Control, and
Instrumentation Cables Non-Plenum**

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
233234CK	8771-100-60	3	100' reel	\$29.99	\$25.95	\$24.65
233242CK	8771-500-60	3	500' reel	112.35	106.46	100.55
233251CK	8771-1000-60	3	1000' reel	228.15	215.17	202.52
234067CK	8771-U500-60	3	500' unreel box	149.99	142.31	134.39
234066CK	8771-U1000-60	3	1000' unreel box	298.95	281.99	265.41

22 AWG stranded (7 x 30) unshielded

- PVC insulation • Color: chrome



8442 Series



8443 Series



8444 Series



8445 Series

Part No.	Product No.	Conductors	Description	1	5	10
232995CK	8442-100-60	2	100' reel	\$15.59	\$14.27	\$12.97
233007CK	8442-500-60	2	500' reel	62.65	59.36	56.06
233015CK	8442-1000-60	2	1000' reel	139.39	133.48	123.82
234054CK	8442-U500-60	2	500' unreel box	70.39	66.71	62.99
234053CK	8442-U1000-60	2	1000' unreel box	139.39	133.48	123.82
233023CK	8443-100-60	3	100' reel	19.39	18.19	17.61
233031CK	8443-500-60	3	500' reel	88.39	83.70	79.06
233040CK	8443-1000-60	3	1000' reel	199.15	188.12	174.51
234056CK	8443-U500-60	3	500' unreel box	94.59	89.58	84.62
234055CK	8443-U1000-60	3	1000' unreel box	199.15	188.12	174.51
233058CK	8444-100-60	4	100' reel	25.39	23.09	20.98
233066CK	8444-500-60	4	500' reel	112.35	106.36	100.47
233074CK	8444-1000-60	4	1000' reel	223.55	211.02	195.74
234058CK	8444-U500-60	4	500' unreel box	112.35	106.36	100.47
234057CK	8444-U1000-60	4	1000' unreel box	212.79	200.89	186.36
233082CK	8445-100-60	5	100' reel	32.69	29.55	26.87
233091CK	8445-500-60	5	500' reel	152.85	138.89	127.34
233103CK	8445-1000-60	5	1000' reel	267.45	252.51	234.27
234060CK	8445-U500-60	5	500' unreel box	190.49	173.14	158.74
234059CK	8445-U1000-60	5	1000' unreel box	374.65	353.75	328.19

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
234253CK	8772-U500-60	3	500' unreel box	\$149.99	\$136.36	\$124.99
234252CK	8772-U1000-60	3	1000' unreel box	306.45	280.92	259.29

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
233200CK	8770-100-60	3	100' reel	\$59.99	\$54.99	\$49.99
233218CK	8770-500-60	3	500' reel	210.09	190.59	173.18
233226CK	8770-1000-60	3	1000' reel	403.29	371.15	342.58
234083CK	8770-U500-60	3	500' unreel box	274.49	249.03	226.26
234082CK	8770-U1000-60	3	1000' unreel box	497.09	457.48	422.27

Save Big! Special Values!

Sale Priced Items = Yellow



Multi-Conductor Cable

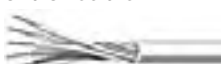
Shielded Sound and Security Cable

- 2 conductors • Flexguard® PVC jacket
- 18 AWG (7 x 26) stranded with tinned copper drain wire



Unshielded Communications and Control Cable

- Type: CM UL 2464 • 2 conductors
- 18 AWG (16 x 30) stranded
- PVC jacket



Foil Shielded Computer Cable

- Type: CMR UL 2464 • 9 conductors
- 24 AWG (7 x 32) stranded tinned copper with drain wire • PVC jacket



Carol® Brand Rubber Cord

- Type: 500W • 4 conductors
- 14 AWG (41 x 30) stranded • 600V, 90°C rating



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See Our General Cable Offering at www.Jameco.com/Prod/GeneralCable



Wire & Cable

568641CK: Multi-Conductor Unshielded Communications & Control Cable

- UL AWM 2576 type CM
- 22 AWG (7 x 30) stranded tinned copper
- PVC jacket • Gray • 2 conductor



568691CK: Multi-Conductor Foil Shield Communication & Control

- 20 AWG (7 x 28) stranded tinned copper with 20 AWG (10 x 30) stranded drain wire tinned copper
- Rating: 300V; 75°C • 2 conductor
- PE insulation • PVC jacket (gray)



568827CK: Xtra Guard® I Multi-Conductor, Unshielded Cable





- UL type CM, AWM 2464 • PVC jacket
- 24/20/18/16 AWG stranded tinned copper
- Rating: 300V; -20°C to 80°C



NEW

568747CK: 0.050" Centers Flat Ribbon Cable

- Rating: 300V; -20°C to 105°C • PVC insulation • UL style 2651
- Nominal capacitance: 14pF/ft. • 25 conductors • Gray
- Nominal impedance: 105Ω • Stranded tinned

Part No.	Product No.	Description	1	10	100
568641CK	1172C SL005 	100' reel			
568691CK	2411C SL002 	500' reel			
568827CK	5062C SL005 	100' reel			
568747CK	3580/9 SL005 	100' reel			

For current pricing,
enter part number at
www.Jameco.com

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaWire



Hook-Up Wire

568721CK: Type B MIL-W-16878E

- 600V • PVC insulation • Green
- Operating temp: -20°C to 105°C
- 10 AWG (105 x 30) stranded



568886CK: Type EE UL Style 1880 MIL-W-16878E





- 18 AWG (19 x 30) stranded • Yellow
- TFE Teflon insulation • Rating: 1000V; 200°C



568659CK/568667CK: Type MW MIL-W-76B

- PVC insulation • Rating: 1000V; 80°C • Yellow
- 18 AWG (16 x 30) and 12 AWG (65 x 30) stranded tinned copper



Part No.	Product No.	Description	1	10	100
568721CK	3081 GR005 	100' reel			
568886CK	5877 BK005 	100' reel			
568659CK	1555 GR005 	100' reel			
568667CK	1560 GR005 	100' reel			

For current pricing,
enter part number at
www.Jameco.com

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaHookupWire



Wire & Cable

3500 – Multi-Pair Low Capacitance Foil Braid Shielded Cable

- For RS-232/485 UL AWM Style 2919
- Operating temp: -20°C to 80°C
- 28 AWG (7 x 36) stranded
- 300V • 25 pairs
- Nominal capacitance: 11pF/ft.



6010C/6018C – Multi-Pair Communications & Control

- Individually foil shielded UL type CM
- 300V • 3 pairs
- Gray • PVC jacket
- 22 AWG (7 x 30) tinned copper with 22 AWG stranded tinned copper drain wire



Xtra Guard® Multi-Conductor, Unshielded Flexible Cable

- UL AWM style 2587
- 14 AWG (41 x 30) stranded bare copper
- 5 conductors
- Oil resistant PVC jacket
- Rating: 600V; -5°C to 90°C



9504C – LAN UTP Cat 5 Cable

- Non-plenum
- Nominal impedance: 100Ω
- 24 AWG solid
- 4 pairs • PVC jacket



2168/2174 – Shielding Grounding Strap

- Tinned or silver plated copper braid
- 14 AWG and 9 AWG equivalent
- Nominal I.D.: 11/64" and 1/2"
- 168 or 528 ends



537B – 3-Conductor Power Cord

- Unshielded right angle receptacle
- 125V @ 10A rated • 6"7"
- Black • SJT • 18/3



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See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaWire



Hook-Up Wire

3079 – Type B MIL-W-16878E

- 600V • PVC insulation
- Colors: White and yellow
- Operating temp: -20°C to 105°C
- 14 AWG (41 x 30) & 10 AWG (105 x 30) stranded



3533 – Type B UL Style 2713 MIL-W-16878E

- 22 AWG (19x34) stranded tinned copper
- UL rating: 300V; 80°C



7133 – Type C UL 1430 MIL-W-16878E

- Irradiated PVC insulation
- 18 AWG (7 x 26) stranded tinned copper
- Rating: 1000V; 105°C
- White



2855 – Type E UL 213 MIL-W-16878B

- TFE insulation
- 22 AWG solid silver plated copper
- Rating: 600V; 200°C



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See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaHookupWire

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Call for OEM pricing

Solid Hook-Up Wire – 22 AWG

- Temp. range: -55°C to +105°C • Passes UL VW-1 flame test
- Weight: 100' (0.3 lbs.); 1000' (3.8 lbs.) • MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 293



Part No.	Cross Ref. No.	Color	100 ft.
36767CK	122BE/C	Blue	\$5.49
36792CK	122BK-R	Black	5.49
36822CK	122G-R	Green	5.49
36855CK	122R/C	Red	5.49
36881CK	122W-R	White	5.49
36919CK	122Y/C	Yellow	5.49

Part No.	Cross Ref. No.	Color	1000 ft.
36775CK	122BE/K	Blue	\$39.99
36804CK	122BK/K	Black	39.99
36839CK	122G/K	Green	39.99
36863CK	122R/K	Red	39.99
36898CK	122W/K	White	39.99
36927CK	122Y/K	Yellow	39.99

UL 1430 Stranded Hook-up Wire

- Temperature rating: 105°C
- Voltage: 300V
- Average wall thickness: 0.016

- 18/20 AWG
- Sold in 100' rolls



Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918CK	18	Black	19 x 30	0.082	2.083	\$15.95	\$14.35	\$12.49
307926CK	18	Red	19 x 30	0.082	2.083	15.95	14.35	12.49
305015CK	18	Orange	7 x 26	0.082	2.083	15.95	14.35	12.49
305023CK	18	Yellow	7 x 26	0.082	2.083	15.95	14.35	12.49
304995CK	20	Yellow	19 x 32	0.071	1.803	15.95	14.35	12.49
305007CK	20	Gray	19 x 32	0.071	1.803	15.95	14.35	12.49
304979CK	20	Blue	7 x 28	0.070	1.778	15.95	14.35	12.49
304987CK	20	Gray	7 x 28	0.070	1.778	15.95	14.35	12.49
307897CK	20	Black	7 x 28	0.070	1.778	15.95	14.35	12.49
307900CK	20	Red	7 x 28	0.070	1.778	15.95	14.35	12.49

UL 1007 Stranded Hook-Up Wire

300 Volts

- 80°C
- PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64 • Sold in 100' rolls



Part No.	Cross Ref.	AWG	Color	Wt. (lbs.)	1	5	10
126084CK	223SBK/C	22 (7x30)	Black	0.4	\$3.39	\$3.19	\$2.99
126033CK	223SR/C	22 (7x30)	Red	0.4	3.39	3.19	2.99
126076CK	223SW/C	22 (7x30)	White	0.4	3.39	3.19	2.99
310851CK	UL1007-22-GR-C	22 (7x30)	Green	1.0	3.39	3.19	2.99
310877CK	UL1007-22-YL-C	22 (7x30)	Yellow	1.0	3.39	3.19	2.99
310885CK	UL1007-22-BL-C	22 (7x30)	Blue	1.0	3.39	3.19	2.99
125840CK	203SBK/C	20 (10x30)	Black	0.6	4.95	4.75	4.49
125794CK	203SR/C	20 (10x30)	Red	0.5	4.95	4.75	4.49
125831CK	203SW/C	20 (10x30)	White	0.5	4.95	4.75	4.49
310893CK	UL1007-20-GR-C	20 (10x30)	Green	1.0	4.95	4.75	4.49
310914CK	UL1007-20-YL-C	20 (10x30)	Yellow	1.0	4.95	4.75	4.49
310922CK	UL1007-20-BL-C	20 (10x30)	Blue	1.0	4.95	4.75	4.49
125786CK	183SBK/C	18 (16x30)	Black	0.8	5.79	5.55	5.25
125735CK	183SR/C	18 (16x30)	Red	0.8	5.79	5.55	5.25
125751CK	183SW/C	18 (16x30)	White	0.8	5.79	5.55	5.25
310931CK	UL1007-18-GR-C	18 (16x30)	Green	1.0	5.79	5.55	5.25
310949CK	UL1007-18-YL-C	18 (16x30)	Yellow	1.0	5.79	5.55	5.25
310957CK	UL1007-18-BL-C	18 (16x30)	Blue	1.0	5.79	5.55	5.25

Twisted Pair Cable – 24 AWG

- PVC insulation
- Use for hook up wire
- Stranded tinned wire (7 x 32)
- Weight: 100' (0.5 lbs.); 1000' (4.7 lbs.)

- Reduced EMI
- 80°C
- 300 V



Part No.	Cross Ref. No.	Color	100 ft.
105911CK	224GW/C	Green/white	\$5.99
173147CK	224RW/C	Red/white	5.99
173163CK	224BW/C	Black/white	5.99

Part No.	Cross Ref. No.	Color	1000 ft.
105806CK	224GW/K	Green/white	\$44.99
173155CK	224RW/K	Red/white	44.99
173171CK	224BW/K	Black/white	44.99

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- PVC jacket

- 7 x 43 stranded
- Gray



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644666CK	300-840SL-100	4	100	\$3.49	\$3.29	\$3.09
644674CK	300-840SL-1000	4	1000	29.99	28.49	27.05
644691CK	300-860SL-100	6	100	7.49	6.75	6.09
644703CK	300-860SL-1000	6	1000	49.99	47.49	45.09
644720CK	300-880SL-100	8	100	9.99	9.49	8.99
644738CK	300-880SL-1000	8	1000	61.99	58.89	55.95

Category 5e/5 Network Cable

- 8C
- Insulation: polyethylene
- Nom. OD.: 0.189"
- Nom. impedance: 100Ω
- 4 twisted pairs
- UTP



Solid: uses modular plug P/N 119343CK, pg 108

Stranded: uses modular plug P/N 79281CK, pg 108

- Prepackaged and priced in increments of 25', 100' or 1000'



24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644543CK	10X5-701TH-25	Solid	Gray	25	\$4.99	\$4.75
644551CK	10X5-701TH-100	Solid	Gray	100	16.99	16.15
644560CK	10X5-701TH-1000	Solid	Gray	1000	99.99	94.99
645714CK	10X5-704TH-25	Solid	Blue	25	4.99	4.75
645722CK	10X5-704TH-100	Solid	Blue	100	16.99	16.15
645731CK	10X5-704TH-1000	Solid	Blue	1000	99.99	94.99
644578CK	10X5-801TH-25	Stranded	Gray	25	5.99	5.69
644586CK	10X5-801TH-100	Stranded	Gray	100	17.99	16.19
644594CK	10X5-801TH-1000	Stranded	Gray	1000	159.99	143.99
644607CK	10X5-804TH-25	Stranded	Blue	25	5.99	5.69
644615CK	10X5-804TH-100	Stranded	Blue	100	17.99	16.19
644623CK	10X5-804TH-1000	Stranded	Blue	1000	159.99	151.99
645749CK	10X5-805TH-25	Stranded	Red	25	5.99	5.69
645757CK	10X5-805TH-100	Stranded	Red	100	17.99	16.19
645765CK	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99
645773CK	10X5-802TH-25	Stranded	Black	25	5.99	5.69
645781CK	10X5-802TH-100	Stranded	black	100	17.99	16.19
645790CK	10X5-802TH-1000	Stranded	Black	1000	159.99	143.99
645802CK	10X5-806TH-25	Stranded	Yellow	25	5.99	5.69
645811CK	10X5-806TH-100	Stranded	Yellow	100	17.99	16.19
645829CK	10X5-806TH-1000	Stranded	Yellow	1000	159.99	143.99

24 AWG UTP Category 5 – 100MHz

- 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631CK	GTP501-4P-GR-25	Stranded	Gray	25	\$5.95	\$5.65
644640CK	GTP501-4P-GR-100	Stranded	Gray	100	19.35	18.39
644658CK	GTP501-4P-GR-1000	Stranded	Gray	1000	164.49	156.25

Kynar™ Wire Wrap Wire – 30 AWG

- Assorted color coded insulation
- Color coded Kynar™ (Polyvinidene Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 282
- See pg 134 for sockets
- Used for prototyping
- UL 1423
- Passes UL VW-1 flame test



22541CK

Part No.	Color	Wt. (lbs.)	100 ft.	Part No.	Color	Wt. (lbs.)	1000 ft.
22541CK	Blue	0.1	\$4.99	22550CK	Blue	0.6	\$29.99
22576CK	Black	0.1	4.99	22584CK	Black	0.6	29.99
22630CK	Red	0.1	4.99	22648CK	Red	0.6	29.99
22664CK	White	0.1	4.99	22672CK	White	0.6	29.99
22605CK	Green	0.1	4.99	22613CK	Green	0.6	29.99
22699CK	Yellow	0.1	4.99	22701CK	Yellow	0.6	29.99

Call for OEM pricing

JAMECO
ValueProMulticonductor Shielded Computer
Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- 24 AWG (7 x 32 AWG)
- Shielded 100% w/ aluminum mylar
- Color: gray
- Drain wire



• Prepackaged and priced in increments listed below

Part No.	Cross Ref. No.	Conductors	Diameter	Length	1	25
644383CK	SC4-25	4	0.20"	25'	\$4.75	\$4.49
644391CK	SC4-100	4	0.20"	100'	16.99	16.15
644404CK	SC4-1000	4	0.20"	1000'	139.99	132.99
644412CK	SC9-25	9	0.23"	25'	11.25	10.69
644421CK	SC9-100	9	0.23"	100'	34.99	33.25
644439CK	SC9-1000	9	0.23"	1000'	269.99	256.49
644447CK	SC15-25	15	0.28"	25'	14.75	13.99
644455CK	SC15-100	15	0.28"	100'	48.99	46.55
644463CK	SC15-1000	15	0.28"	1000'	429.99	408.49
644471CK	SC25-25	25	0.37"	25'	22.25	21.15
644480CK	SC25-100	25	0.37"	100'	70.99	67.45
644498CK	SC25-500	25	0.37"	500'	589.99	560.49

JAMECO
ValuePro

Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- 28 AWG (7 x 36)
- Stranded copper wire
- Center spacing: 0.05"
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C



• Prepackaged and priced in increments listed below

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
639672CK	28RC10-10	10	10'	\$1.99	\$1.95	\$1.89
643508CK	28RC10-25	10	25'	4.99	4.79	4.59
643516CK	28RC10-100	10	100' reel	19.99	19.49	18.99
643532CK	28RC16-10	16	10'	3.49	3.29	3.09
643541CK	28RC16-25	16	25'	7.49	7.09	6.75
643559CK	28RC16-100	16	100' reel	26.99	25.65	24.35
643575CK	28RC20-10	20	10'	4.99	4.75	4.49
643583CK	28RC20-25	20	25'	9.99	9.49	8.99
643591CK	28RC20-100	20	100' reel	34.99	33.99	32.99
643612CK	28RC25-10	25	10'	6.99	6.65	6.29
643621CK	28RC25-25	25	25'	15.99	15.19	14.45
643639CK	28RC25-100	25	100' reel	59.99	56.99	54.15
643655CK	28RC34-10	34	10'	7.99	7.59	7.19
643663CK	28RC34-25	34	25'	17.99	16.99	16.15
643671CK	28RC34-100	34	100' reel	69.99	66.99	64.15
643698CK	28RC40-10	40	10'	8.99	8.55	8.09
643701CK	28RC40-25	40	25'	19.99	18.99	18.05
643719CK	28RC40-100	40	100' reel	79.99	75.99	72.19
643735CK	28RC50-10	50	10'	10.99	10.45	9.95
643743CK	28RC50-25	50	25'	24.99	23.75	22.55
643751CK	28RC50-100	50	100' reel	89.99	85.49	81.19

JAMECO
ValuePro

2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V



Part No.	Cross Ref. No.	Length	Wt. (lbs.)	1	10	25
100280CK	224BK/C	100'	0.8	\$5.59	\$4.99	\$4.49
100298CK	224BK/K	1000'	7.8	44.99	40.49	36.45

JAMECO
ValuePro

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC)
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C
- 28 AWG (7 x 36)
- Voltage rating: 300V
- Stranded copper wire

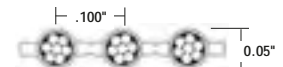


• Prepackaged and priced in increments listed below

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643794CK	171-10-10	10	10'	\$1.49	\$1.39	\$1.29
643807CK	171-10-25	10	25'	3.19	3.09	2.99
643815CK	171-10-100	10	100' reel	11.49	10.99	10.49
643831CK	171-16-10	16	10'	2.19	2.09	1.99
643840CK	171-16-25	16	25'	4.99	4.49	3.99
643858CK	171-16-100	16	100' reel	15.99	14.99	13.99
643874CK	171-20-10	20	10'	3.99	3.79	3.59
643882CK	171-20-25	20	25'	6.25	5.99	5.69
643891CK	171-20-100	20	100' reel	15.99	15.49	14.99
643911CK	171-25-10	25	10'	3.89	3.79	3.69
643920CK	171-25-25	25	25'	8.75	8.29	7.85
643938CK	171-25-100	25	100' reel	24.99	23.75	22.55
643962CK	171-26-10	26	10'	3.49	3.29	3.09
643971CK	171-26-25	26	25'	7.99	7.59	7.19
643989CK	171-26-100	26	100' reel	24.99	23.69	22.49
644033CK	171-34-10	34	10'	4.25	3.99	3.79
644041CK	171-34-25	34	25'	9.25	8.79	8.35
644050CK	171-34-100	34	100' reel	31.99	30.39	28.85
644076CK	171-37-10	37	10'	5.89	5.59	5.29
644084CK	171-37-25	37	25'	11.75	11.15	10.59
644092CK	171-37-100	37	100' reel	34.99	33.25	31.59
644113CK	171-40-10	40	10'	7.39	6.99	6.65
644121CK	171-40-25	40	25'	17.49	16.59	15.75
644130CK	171-40-100	40	100' reel	47.99	45.59	43.29
644156CK	171-50-10	50	10'	6.75	6.39	6.05
644164CK	171-50-25	50	25'	14.49	13.75	13.05
644172CK	171-50-100	50	100' reel	48.99	46.55	44.19
644199CK	171-60-10	60	10'	8.95	8.49	8.05
644201CK	171-60-25	60	25'	19.75	18.75	17.79
644210CK	171-60-100	60	100' reel	64.99	61.75	58.65

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m
- Inductance: 1.45μH/m



Part No.	Cross Ref.	Length	1	10	25
363813CK	H24G-10-10	10'	\$8.99	\$8.49	\$7.99
363821CK	H24G-10-25	25'	19.99	18.99	17.99
363856CK	H24G-10-100	100'	69.99	64.99	59.99
363864CK	H24G-10-250	250' reel	199.99	174.99	149.99

Free Technical
SupportOur knowledgeable Tech Support department is ready to
answer your questions. Just call us! 1-800-831-4242

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

JAMECO ValuePro

RG Type Bulk Coaxial Cable

- RG58/U & RG58A/U (50Ω):** Nom. cap.: 27pF/ft.; center resist.: 10.4Ω/1000ft. @ 77°F
 • For ethernet, oscilloscopes
RG59/U (75Ω): Nominal capacitance: 19pF/ft.; center resist.: 16.5Ω/1000ft. @ 77°F
 • For CATV & video patch cords
RG174/U (50Ω): Nominal capacitance: 30.8pF/ft.; center resist.: 97Ω/1000ft. @ 77°F
 • For ethernet, oscilloscopes

Part No.	Cross Ref No.	Type	Description	AWG	Length	1	25	50
644754CK	RG58/U-100⊕	RG58/U	Solid	20	100'	\$11.99	\$11.39	\$10.79
644762CK	RG58/U-1000⊕	RG58/U	Solid	20	1000'	108.49	103.05	97.89
644771CK	10X1-041TH-100⊕	RG58A/U	Stranded	20	100'	18.99	17.99	17.09
644789CK	10X1-041TH-1000⊕	RG58A/U	Stranded	20	1000'	149.99	142.49	135.35
644797CK	RG59/U-100⊕	RG59/U	Solid	22	100'	12.99	12.35	11.75
644800CK	RG59/U-1000⊕	RG59/U	Solid	22	1000'	109.99	104.49	99.25
644818CK	RG174/U-100⊕	RG174/U	Stranded	26	100'	18.99	17.99	17.09
644826CK	RG174/U-1000⊕	RG174/U	Stranded	26	1000'	168.99	160.55	152.49



Disk Drive Cables

Quantity SAVE

Part No.	Description	Cable Length	1	10	100
185084CK	34-pin header socket ribbon cable for floppy drive	25"	\$1.19	\$.99	\$.75
32918CK	34-pin header socket ribbon cable for floppy to card	23"	3.49	2.97	2.22
355637CK	40-pin IDE hard drive cable to card	11.5"	.89	.86	.83
185076CK	40-pin IDE hard drive cable to card⊕	14"	.95	.71	.53
32686CK	40-pin IDE hard drive cable to card⊕	18"	.95	.90	.85
72805CK	Two 40-pin header socket ribbon cable for IDE drive⊕	18"	3.69	3.14	2.35
175492CK	40-pin header socket ribbon cable for ultra DMA66/100⊕	17"	6.95	6.25	5.49

Internal and External SCSI Cables for Complete Connectivity

Part No.	Description	1	10	100
32715CK	50-pin header socket ribbon cable SCSI-I (18")⊕	\$3.95	\$3.49	\$2.95
137550CK	68-pin header internal ribbon cable SCSI-III (27")⊕	12.49	11.25	10.15
118076CK	Male HPDB50 to male HPDB50 SCSI-II to SCSI-II (6")⊕	17.95	15.95	13.95

- For PC/XT/AT and compatibles • All lines connected

JAMECO ValuePro

Internal Serial ATA, ATA-133 & Floppy Drive Cables

Flat ribbon cables blocks airflow within a computer system, but with round internal cables, it will improve internal airflow in any computer system.

SALE

Part No.	Description	Length	1	10	25
348710CK	Round Serial ATA cable, 90", red, 7-pin⊕	19.9" \$4.69	\$4.19	\$3.70	\$3.52
348744CK	Round Serial ATA cable, 90", red, 7-pin⊕	39.4" \$5.89	5.29	4.69	4.45
348728CK	Round Serial ATA cable, 180", red, 7-pin⊕	19.9" \$4.69	4.19	3.70	3.52
348736CK	Round Serial ATA cable, 180", red, 7-pin⊕	39.4" \$5.89	5.29	4.69	4.45
348752CK	Round ATA-133/IDE cable, dual 40-pin, blue⊕	18" \$4.69	4.25	3.84	3.65
348761CK	Round ATA-133/IDE cable, dual 40-pin, black⊕	18" \$4.69	4.25	3.84	3.65
348779CK	Round ATA-133/IDE cable, dual 40-pin, blue⊕	24" \$5.45	4.89	4.60	4.38
348787CK	Round ATA-133/IDE cable, dual 40-pin, black⊕	24" \$5.45	4.89	4.60	4.38
348795CK	Round floppy drive cable, 34-pin, blue⊕	18" \$6.59	5.95	5.95	5.19
348808CK	Round floppy drive cable, 34-pin, black⊕	18" \$6.59	5.95	5.46	5.19
348816CK	Round floppy drive cable, 34-pin, blue⊕	24" \$7.69	6.89	6.49	6.17
348841CK	Serial ATA power cable extension, 15-pin to 4-pin, 18 AWG⊕	6" \$2.79	2.49	2.30	2.19
Part No.	Description		1	10	
348824CK	IDE to serial ATA converter, 40-pin HDD to serial ATA⊕		\$28.99	\$26.09	\$24.79

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

3.5" Disk Drive Power Adapter Cable

- IBM PC/XT and higher compatibles
 • Allows connection of standard 3.5" disk drives to power supplies

Part No.	Length	AWG	1	10	100
28396CK	3.5"⊕	22	\$2.49	\$2.25	\$1.95



3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
 • Splits 4-line Molex male into 2 females

Part No.	Drive	AWG	Length	1	10	100
28353CK	5.25"⊕	18	5"	\$2.95	\$2.69	\$2.39
277528CK	5.25"	20	6"	2.85	2.59	2.25
72303CK	3.5"⊕	22	5"	2.75	2.49	2.19



AT/ATX Power Supply Extension Cables

348891CK:

- For use with 12-pin AT power supplies

326490CK/170237CK:

- For use with ATX power supplies
 • 20-pin ATX male and female connectors
 • Color coded to ATX power supply

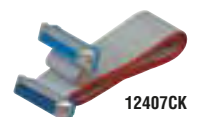
Part No.	Length	AWG	1	10	100
348891CK	9.75"⊕	18	\$1.89	\$1.78	\$1.69
326490CK	13"	18	5.35	5.09	4.79
170237CK	15"⊕	18	5.95	5.65	5.35



Ribbon Cable Assemblies

- Metal connector
 • 300V rating
 • 105°C rating
 • 28 AWG flat cable
 • Tin-plated contacts

Part No.	Description	1	10	100
12407CK	4' DB25 M-F⊕	\$4.49	\$3.95	\$3.59
208581CK	6' DB9 M-F⊕	3.95	3.55	3.19



PC/XT/AT & PS/2 Keyboard Extension Cables

- Color: beige

- 114981CK/112045CK:
 • 5-pin DIN male-to-female

- 28548CK/111053CK:
 • 6-pin mini DIN female-to-male

Part No.	Description	1	10	100
114981CK	PC/XT/AT 6' non-coiled⊕	\$1.99	\$1.69	\$1.27
112045CK	PC/XT/AT 10' non-coiled⊕	3.95	3.36	2.52
28548CK	PS/2 6' non-coiled⊕	4.35	3.89	3.49
111053CK	PS/2 10' non-coiled⊕	5.49	4.99	4.39



Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.

- Size: 1.9"L x 1.2"W

Part No.	Description	1	10	100
319791CK	PS/2 adapter	\$2.75	\$2.59	\$2.45



AT-to-PS/2 and PS/2-to-AT
Keyboard Adapter Cables

28003CK/319783CK:

- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



310789CK:

- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CK	4.5'	Black	\$2.45	\$2.19	\$1.99
28003CK	6.5' ⊕	Beige	3.95	3.49	3.15
310789CK	7.5' ⊕	Beige	3.95	3.49	3.15

IEEE 1284 Parallel/ Serial
High Speed Cables

Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.

- Double shielded with 28 AWG stranded twisted pair inner conductors • Weight: 0.6 lbs.
- Molded shells, PVC plastic
- Color: beige (P/N 130067CK/319767CK); black (P/N 161630CK); gray (P/N 223845CK)



Part No.	Description	1	10
130067CK	6' DB25 M-Cent. parallel 36M ⊕	\$11.95	\$10.95
319767CK	6' DB25 M-Cent. parallel 36M	4.95	4.69
223845CK	6' DB25 M-Cent. parallel 36M	11.95	10.95
161630CK	10' DB25 M-M serial cable	14.95	13.49

IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends. • Color: gray



Part No.	Description	Wt. (lbs.)	1	10	25
73154CK	1 meter ⊕	0.8 ..	\$36.49	\$32.79	\$29.49
115781CK	2 meter ⊕	1.2	37.95	34.19	30.95
115801CK	4 meter ⊕	2.0	38.95	36.19	31.95

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181403CK/180697CK Pin outs:

1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7



181438CK Pin outs: 2-2; 3-3;

5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)



180582CK Pin outs: 2-2; 3-3;

4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)



180742CK Pin outs: 1-4 & 5; 2-2;

3-3; 4-6; 5-7; 6-20; 7-8; 8-8

Part No.	Description	Wt. (lbs.)	1	10	50
181403CK	6' DB9 F to DB9 F ⊕	0.3 ..	\$5.69	\$5.09	\$4.59
180697CK	10' DB9 F to DB9 F ⊕	0.4	6.79	6.09	5.49
181438CK	6' DB25 M to DB9 F	0.4	4.95	4.49	3.95
180582CK	10' DB25 M to DB9 F ⊕	0.4	6.69	6.05	5.45
180742CK	10' DB25 F to DB9 F ⊕	0.5	7.39	6.65	5.99

RGB Video Cables

- 75Ω coaxial cable; 6' or 10'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male • Weight: 0.9 lbs.



Part No.	Description	1	10	25
73648CK	6' cable (black) ⊕	\$19.95	\$16.99	\$12.75
118068CK	10' cable (black) ⊕	23.35	19.85	14.89

VGA Monitor Cables

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male



Part No.	Description	1	10	100
66173CK	6' monitor cable ⊕	\$6.49	\$5.89	\$5.29
148523CK	10' monitor cable ⊕	6.95	6.25	5.59

9-Pin Monitor Cable

- For monochrome, RGB, EGA and multisync monitors
- Connects video card to monitor
- IBM PC/XT and higher compatibles



Part No.	Description	1	10	100
66157CK	6' DB9 M-M ⊕	\$4.45	\$3.95	\$3.55

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles
- 134041CK: • HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews
- 66165CK/148531CK/ 355661CK: • Thumbscrews on each end



Part No.	Description	1	10	100
134041CK	6' screws/hex nuts ⊕	\$4.49	\$3.95	\$3.49
66165CK	6' thumbscrews ⊕	6.59	5.95	5.35
148531CK	10' thumbscrews ⊕	7.49	6.79	5.99
355661CK	10' thumbscrews	5.49	3.94	3.39

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray (237032CK: black)



Part No.	Description	Length	1	10	100
181286CK	DA15 M-M ⊕	6'	\$5.49	\$4.95	\$4.45
181358CK	DA15 M-F ⊕	6'	5.49	4.95	4.45
237032CK	DA15 M-F	8'	6.99	5.95	4.45

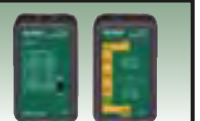
Macintosh® Printer Cables

Part No.	Description	Length	1	10	50
10604CK	6' mini DIN8M ⊕	.....	\$3.29	\$3.15	\$2.99
130024CK	10' mini DIN8M ⊕	.....	5.99	5.39	4.85



Looking For Cable Testers?

See page 250

DB25-to-Centronics
Parallel Printer Cables

Quantity SAVE



- Molded and fully shielded DB25 male and 36-pin Centronics male connectors
- IBM PC/XT and higher compatibles

Part No.	Description	Wt. (lbs.)	1	10	100
28716CK	6' straight	0.4 ...	\$3.95	\$3.56	\$3.20
223845CK	6' straight†	0.6 ...	11.95	10.95	9.75
123781CK	10' straight ⊕	0.6	5.95	5.09	3.79
164777CK	10' rt. angle*	0.7	4.95	4.45	3.95
28708CK	15' straight ⊕	0.8	5.95	5.09	3.79
101899CK	25' straight ⊕	1.1	5.95	5.06	3.79

* Centronics right angle † IEEE 1284

37-Pin Straight Through
Cable Adapters

- Molded connectors • Color: gray • Weight: 0.9 lbs.

Part No.	Description	1	10	100
180611CK	6' DC37 M-M ⊕	\$6.95	\$6.29	\$5.65
181294CK	6' DC37 M-F ⊕	5.95	5.49	4.95

Monitor/Mouse/Keyboard Cables

- 6' or 32'
- HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard, and DB9 male/female for mouse



Part No.	Description	Wt. (lbs.)	1	10
141284CK	6' cable ⊕	1.6	\$22.95	\$19.95
141276CK	32' cable ⊕	4.8	39.95	35.95

Switch Box Adapter Cables

- 177261CK: Male to male non-coiled cable for P/N 79177CK switch box, pg 249
- 114913CK: Male to male coiled cable for P/N 114155CK switch box, pg 249
- 174772CK: Male to male coiled cable for P/N 114155CK switch box, pg 249
- 174908CK/205655CK: Male to male non-coiled cable for P/N 79177CK switch box, pg 249



Quantity SAVE

174772CK

205655CK

Part No.	Description	Length	1	10	50
114913CK	5-pin DIN ⊕	5' (gray)	\$4.95	\$4.21	\$3.16
177261CK	6-pin mini DIN ⊕	2' (gray)	2.95	2.55	1.89
174772CK	6-pin mini DIN	6' (black)	4.95	4.25	3.19
174908CK	6-pin mini DIN ⊕	6' (gray)	5.75	5.15	4.65
112627CK	6-pin mini DIN ⊕	10' (beige)	7.95	7.25	6.49
205655CK	6-pin mini DIN ⊕	25' (beige)	8.95	7.95	6.95

DB9 Extension Cables



- All lines connected straight through
- 132345CK/196365CK: DB9 female to DB9 female cable with thumbscrews
- 199638CK/25700CK/148515CK: DB9 male to DB9 female cable with thumbscrews
- 181665CK: DB9 male to DB9 male cable

Part No.	Description	1	10	100	1000
132345CK	6' F-F ⊕	\$4.95	\$4.49	\$3.95	\$3.49
199638CK	6' M-F (blk) ⊕	4.49	3.95	3.49	2.95
25700CK	6' M-F ⊕	4.95	4.49	3.95	3.49
196365CK	10' F-F ⊕	6.95	6.25	5.59	4.95
148515CK	10' M-F ⊕	7.49	6.79	5.99	4.95
181665CK	10' M-M ⊕	6.95	6.25	5.59	4.95

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Quantity SAVE



Part No.	Description	1	10	100
162915CK	DB9 male to DB9 female	\$2.95	\$2.51	\$1.88

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors



Part No.	Description	1	10	100
109583CK	1' serial, beige ⊕	\$4.35	\$3.95	\$3.49
189333CK	3' serial, beige ⊕	3.95	3.39	2.55
207790CK	4' serial, beige	2.35	2.15	1.95
31721CK	6' serial, beige ⊕	3.89	3.55	3.15
191361CK	6' serial, gray	4.39	3.99	3.15
155521CK	10' serial, beige ⊕	3.95	3.55	3.15

DB25 Extension Cables

- All lines connected straight through
- Use to lengthen your standard serial cable or for switch box applications
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001CK/175290CK: black*



Part No.	Description	Wt. (lbs.)	1	10	50	100
174001CK	3' M-M ⊕	0.6	\$4.79	\$4.35	\$3.89	\$3.49
401138CK	3' M-M ⊕	0.4	4.45	4.25	3.99	3.79
65787CK	6' M-M ⊕	0.5	6.49	5.89	5.29	4.89
39538CK	10' M-M ⊕	0.7	6.95	6.29	5.05	3.69
179979CK	15' M-M ⊕	1.2	6.95	6.26	5.63	5.07
67070CK	25' M-M ⊕	1.4	10.95	9.95	8.95	7.95
180435CK	50' M-M ⊕	3.6	14.95	13.49	11.95	9.95
164291CK	3' M-F ⊕	0.4	4.29	3.89	3.49	2.95
175290CK	3' M-F ⊕	0.4	2.95	2.69	2.25	1.59
163133CK	5' M-F ⊕	0.6	5.29	4.75	4.29	3.85
67256CK	6' M-F ⊕	0.6	6.45	5.79	5.25	4.69
39511CK	10' M-F ⊕	0.7	6.95	6.26	5.63	4.61
177279CK	15' M-F ⊕	1.0	9.49	8.55	7.69	6.25
101995CK	25' M-F ⊕	1.4	11.95	10.79	9.69	7.95
181201CK	50' M-F ⊕	3.2	17.95	14.39	10.79	8.09
224266CK	6' F-F ⊕	0.7	4.95	3.95	2.95	2.09

USB-A Cables with Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors
- 8" long



Part No.	Description	1	10	25
144813CK	Female panel mount ⊕	\$3.95	\$3.75	\$3.55
319652CK	Male panel mount	3.95	3.75	3.55

USB-to-Centronics Printer Cable

SALE

- Full compliance with the USB spec V.1.0
- USB-A male to 36-pin male centronics connector
- Supports true bidirectional communication
- Applicable to standard and bidirectional printers



Part No.	Description	1	10	25
155352CK	6' USB cable ⊕	\$23.75	\$22.56	\$21.43

USB to Serial Adapter with Prolific Chipset

This USB serial adapter provides an external Plug-and-Play RS-232 port for computers, notebooks, laptops, and handheld computing devices. Provides high-quality serial connections at transfer rates of more than 500kbps.



- Frees existing RS-232 ports for other uses
- Supports RS-232 serial interface, automatic handshake mode, remote wake-up & power management
- Provides a 96-byte buffer for each upstream and downstream data transfer
- Weight: 1.5 lbs.
- Full compliance with USB specification v.1.1
- 7" cable with DB25 male connector and 14" cable with USB-A connector
- Size: 2.7"L x 1.6"W x 0.7"H

System requirements: Windows®98/2000, USB host controlled installed in the system

Includes: 3.5" software and manual

Part No.	Description	1	5
213006CK	USB-A to serial converter ⊕	\$29.95	\$27.95

IEEE 1394 Firewire Cables



Connect your computer to the latest high speed Firewire peripherals.

- IEEE-1394 compliant
- UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
222631CK	3' cable black ⊕	\$4.99	\$4.45	\$3.95
175821CK	6' cable black ⊕	5.59	5.05	4.55
222244CK	10' cable black ⊕	6.99	6.25	5.65
222252CK	15' cable black ⊕	8.59	7.75	6.95

4-pin Male to 6-pin Male

Part No.	Description	1	10	25
222623CK	3' cable black ⊕	\$4.99	\$4.45	\$3.95
175839CK	6' cable black ⊕	5.59	5.05	4.55
22228CK	10' cable black ⊕	6.99	6.25	5.65
222236CK	15' cable black ⊕	8.59	7.75	6.95

6-pin Male to 6-pin Male

Part No.	Description	1	10	25
222615CK	3' cable black ⊕	\$4.99	\$4.45	\$3.95
175847CK	6' cable black ⊕	5.59	5.05	4.55
222201CK	10' cable black ⊕	6.99	6.25	5.65
222210CK	15' cable black ⊕	8.59	7.75	6.95

USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters



Part No.	Description	1	10
387954CK	USB-A to DB9 ⊕	\$17.95	\$16.15

Flexible USB Cable and Adapter

FlexUSB™ is a compact, lightweight accessory that bends, rotates, and flexes to your desired angle. It provides a means to position USB devices, allowing you to use it with any computer, even in the most cramped environment. Its unique ratcheting design makes it possible to position your USB devices that are compatible with both Windows® and MAC platforms.



Part No.	Description	1	5
262078CK	Flexible USB adapter A M-F ⊕	\$10.95	\$9.85
262158CK	Flexible USB cable with A-M to B-M connectors ⊕	11.95	10.85

Flexible USB cables and adapters make plugging in cables an ease, especially in tight spots!

USB Gender Adapters

Part No.	Description	Dimensions	1	10	25
321251CK	USB-A male to USB-A male ⊕	1.9"L x 0.6"W	\$2.79	\$2.65	\$2.39
169383CK	USB-A male to USB-B female ⊕	1.3"L x 0.4"W	2.69	2.49	2.25
169375CK	USB-A female to USB-B male ⊕	1.7"L x 0.6"W	2.69	2.49	2.25
316806CK	USB-A female to USB-A female ⊕	1.5"L x 0.7"W	2.69	2.49	2.25
321699CK	USB-B male to USB-B male ⊕	2.0"L x 0.4"W	2.79	2.65	2.49
316822CK	USB-B female to USB-B female ⊕	1.4"L x 0.7"W	2.69	2.49	2.25



USB 2.0 Cables



- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

See page 317 for new USB Cables

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326473CK	3' cable beige	\$1.55	\$1.39	\$1.29
229681CK	6' cable beige	1.65	1.49	1.39
222033CK	6' cable black	1.65	1.49	1.39
229551CK	6' cable clear	1.65	1.49	1.39
229690CK	10' cable beige	1.89	1.75	1.65
222041CK	10' cable black	1.89	1.75	1.65
229569CK	10' cable clear	1.89	1.75	1.65
229702CK	15' cable beige	2.85	2.59	2.49
222050CK	15' cable black	2.85	2.59	2.49
229577CK	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711CK	3' cable beige	\$1.55	\$1.39	\$1.29
222607CK	3' cable black	1.55	1.39	1.29
229585CK	3' cable clear	1.55	1.39	1.29
229729CK	6' cable beige	1.65	1.49	1.39
222009CK	6' cable black	1.65	1.49	1.39
229593CK	6' cable clear	1.65	1.49	1.39
229737CK	10' cable beige	1.89	1.75	1.65
222017CK	10' cable black	1.89	1.75	1.65
229606CK	10' cable clear	1.89	1.75	1.65
229761CK	15' cable beige	2.85	2.59	2.49
222025CK	15' cable black	2.85	2.59	2.49
229614CK	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326481CK	3' cable beige	\$1.55	\$1.39	\$1.29
229770CK	6' cable beige	1.65	1.49	1.39
222068CK	6' cable black	1.65	1.49	1.39
229622CK	6' cable clear	1.65	1.49	1.39
229788CK	10' cable beige	1.89	1.75	1.65
222076CK	10' cable black	1.89	1.75	1.65
229631CK	10' cable clear	1.89	1.75	1.65
229796CK	15' cable beige	2.85	2.59	2.49
222084CK	15' cable black	2.85	2.59	2.49
229649CK	15' cable clear	2.85	2.59	2.49

USB 1.1 Cables

USB-A Male to USB-B Male

169359CK

Lower \$\$\$

Part No.	Description	1	10	25
308726CK	5' cable (black)	\$2.99	\$2.54	\$1.91
169359CK	6' cable	\$4.95 1.79	1.59	1.35

USB 2.0 Cables

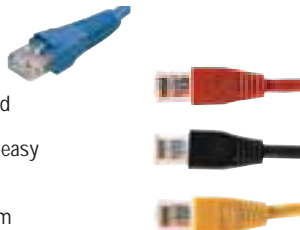
- Color: black
- Length: 6 ft.

NEW

Part No.	Product No.	1	5
673715CK	USB-A to mini 4-pin	\$2.99	\$2.65
673694CK	USB-A to mini 5-pin	\$2.75	\$2.35

Category 5e/5 Network Cables

- UTP
- 8P8C
- 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance



Category 5e (350MHz)

Part No.	Length	Color	1	10	100
168292CK	3 ft.	Gray	\$1.79	\$1.49	\$1.39
168305CK	7 ft.	Gray	2.99	2.59	2.39
168313CK	15 ft.	Gray	5.29	4.39	3.99
168321CK	25 ft.	Gray	7.99	6.79	6.39
201777CK	3 ft.	Red	1.79	1.49	1.39
201785CK	7 ft.	Red	2.99	2.59	2.39
201793CK	15 ft.	Red	6.95	5.95	4.45
201806CK	25 ft.	Red	7.99	6.79	6.39
201697CK	3 ft.	Black	1.79	1.49	1.39
201700CK	7 ft.	Black	2.99	2.59	2.39
201718CK	15 ft.	Black	5.29	4.39	3.99
201726CK	25 ft.	Black	7.99	6.79	6.39
201734CK	3 ft.	Blue	1.79	1.49	1.39
201742CK	7 ft.	Blue	2.99	2.59	2.39
201751CK	15 ft.	Blue	5.29	4.39	3.99
201769CK	25 ft.	Blue	7.99	6.79	6.39
201814CK	3 ft.	Yellow	1.79	1.49	1.39
201822CK	7 ft.	Yellow	2.99	2.59	2.39
201831CK	15 ft.	Yellow	5.29	4.39	3.39
201849CK	25 ft.	Yellow	7.99	6.79	6.39

Category 5 (100MHz)

Part No.	Length	Color	1	10	100
277641CK	6 ft.	Red	\$2.49	\$2.25	\$1.99
281261CK	7 ft.	Gray	2.49	2.39	2.25
203051CK	10 ft.	Blue	2.75	2.48	2.23
277659CK	12 ft.	Black	2.99	2.69	2.45
277667CK	12 ft.	Yellow	2.99	2.69	2.45

Category 5e Network Cables

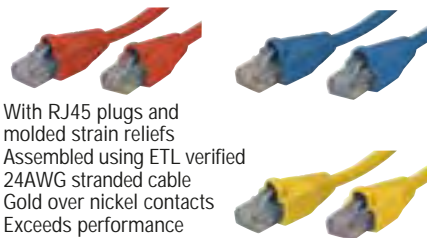
- 24 AWG
- 350 MHz
- Snagless boots
- Lengths: 3' to 50'
- Colors: Gray, black, blue, green, red, yellow and white



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See our AIM Electronics Cat5e Cable Offering at www.Jameco.com/Prod/AIMCat5e

Category 6 Network Cables



- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8

Category 6

Part No.	Length	Color	1	10	50
219707CK	3 ft.	Gray	\$2.79	\$2.69	\$2.56
219715CK	7 ft.	Gray	3.99	3.87	3.68
219723CK	14 ft.	Gray	6.59	6.37	6.05
219731CK	25 ft.	Gray	9.39	8.92	8.47
219740CK	50 ft.	Gray	14.29	13.58	12.90
219854CK	3 ft.	Blue	2.79	2.69	2.56
219862CK	7 ft.	Blue	3.99	3.87	3.68
219871CK	14 ft.	Blue	6.59	6.37	6.05
219889CK	25 ft.	Blue	9.39	8.92	8.47
219897CK	50 ft.	Blue	14.29	13.58	12.90
220003CK	3 ft.	White	2.79	2.69	2.56
220011CK	7 ft.	White	3.99	3.87	3.68
220020CK	14 ft.	White	6.59	6.37	6.05
220038CK	25 ft.	White	9.39	8.92	8.47
220046CK	50 ft.	White	14.29	13.58	12.90
219900CK	3 ft.	Red	2.79	2.69	2.56
219918CK	7 ft.	Red	3.99	3.87	3.68
219926CK	14 ft.	Red	6.59	6.37	6.05
219934CK	25 ft.	Red	9.39	8.92	8.47
219942CK	50 ft.	Red	14.29	13.58	12.90
219803CK	3 ft.	Green	2.79	2.69	2.56
219811CK	7 ft.	Green	3.99	3.87	3.68
219820CK	14 ft.	Green	6.59	6.37	6.05
219838CK	25 ft.	Green	9.39	8.92	8.47
219846CK	50 ft.	Green	14.29	13.58	12.90
219758CK	3 ft.	Black	2.79	2.69	2.56
219766CK	7 ft.	Black	3.99	3.87	3.68
219774CK	14 ft.	Black	6.59	6.37	6.05
219782CK	25 ft.	Black	9.39	8.92	8.47
219791CK	50 ft.	Black	14.29	13.58	12.90
219951CK	3 ft.	Yellow	2.79	2.69	2.56
219969CK	7 ft.	Yellow	3.99	3.87	3.68
219977CK	14 ft.	Yellow	6.59	6.37	6.05
219985CK	25 ft.	Yellow	9.39	8.92	8.47
219993CK	50 ft.	Yellow	14.29	13.58	12.90

CAT 5e Crossover Cables

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP



Part No.	Description	1	10	100
302041CK	6' cable RJ45	\$3.75	\$3.39	\$3.05
169261CK	10' cable RJ45	6.95	6.25	5.59

Lowest Price Guarantee

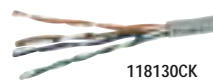
Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost.

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

JAMECO ValuePro

- Insulation: polyethylene
 - Nom. impedance: 100Ω
 - Nom. OD.: 0.189"
 - 4 twisted pairs
 - UTP
 - 8C
- Solid: uses modular plug P/N 119343CK, pg 108
Stranded: uses modular plug P/N 79281CK, pg 108
- Prepackaged and priced in increments of 25', 100' or 1000'

Category 5e/5 Network Cable



118130CK



24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25	50
644543CK	10X5-701TH-25	Solid	Gray	25	\$4.99	\$4.75	\$4.49
644551CK	10X5-701TH-100	Solid	Gray	100	16.99	16.15	15.35
644560CK	10X5-701TH-1000	Solid	Gray	1000	99.99	94.99	90.25
645714CK	10X5-704TH-25	Solid	Blue	25	4.99	4.75	4.49
645722CK	10X5-704TH-100	Solid	Blue	100	16.99	16.15	15.35
645731CK	10X5-704TH-1000	Solid	Blue	1000	99.99	94.99	90.25
644578CK	10X5-801TH-25	Stranded	Gray	25	5.99	5.69	5.39
644586CK	10X5-801TH-100	Stranded	Gray	100	17.99	16.19	14.59
644594CK	10X5-801TH-1000	Stranded	Gray	1000	159.99	143.99	129.59
644607CK	10X5-804TH-25	Stranded	Blue	25	5.99	5.69	5.39
644615CK	10X5-804TH-100	Stranded	Blue	100	17.99	16.19	14.59
644623CK	10X5-804TH-1000	Stranded	Blue	1000	159.99	151.99	144.39
645749CK	10X5-805TH-25	Stranded	Red	25	5.99	5.69	5.39
645757CK	10X5-805TH-100	Stranded	Red	100	17.99	16.19	14.59
645765CK	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99	129.59
645773CK	10X5-802TH-25	Stranded	Black	25	5.99	5.69	5.39
645781CK	10X5-802TH-100	Stranded	Black	100	17.99	16.19	14.59
645790CK	10X5-802TH-1000	Stranded	Black	1000	159.99	143.99	129.59
645802CK	10X5-806TH-25	Stranded	Yellow	25	5.99	5.69	5.39
645811CK	10X5-806TH-100	Stranded	Yellow	100	17.99	16.19	14.59
645829CK	10X5-806TH-1000	Stranded	Yellow	1000	159.99	143.99	129.59

24 AWG UTP Category 5 – 100MHz

• 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25	50
644631CK	GTP501-4P-GR-25	Stranded	Gray	25	\$5.95	\$5.65	\$5.35
644640CK	GTP501-4P-GR-100	Stranded	Gray	100	19.35	18.39	17.45
644658CK	GTP501-4P-GR-1000	Stranded	Gray	1000	164.49	156.25	148.39

JAMECO ValuePro

Modular Plugs



P = No. of positions
C = No. of contacts
W/E = Western Electric type number

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Description	W/E	1	10	100	1000
103491CK	4P4C (handset)	616	*	\$1.11	\$0.99	\$0.89
79290CK	6P4C (RJ11)	623	*	.12	.11	.095
79273CK	6P6C (RJ11)	623	*	.22	.195	.18
79281CK	8P8C (RJ45) (for stranded wire)	641	.35	.28	.24	.20
119343CK	8P8C (RJ45) unshielded (for solid wire)	—	.49	.44	.35	.28
116610CK	8P8C (RJ45) shielded	—	1.09	.99	.89	.79
204231CK	8P8C (RJ45) shielded (for STP stranded wire)	—	1.55	1.49	1.15	.95
116601CK	8P8C (RJ45) shielded (for solid wire)	—	.99	.89	.80	.72
180646CK	10P10C (for stranded wire)	—	1.39	1.15	.82	.69

JAMECO ValuePro

Modular Jacks



Part No.	Description	*W/E	1	10	100
199620CK	4P4C (handset) 0.48"W	—	\$3.36	\$3.33	\$3.30
115128CK	4P4C (handset) 0.395"W	—	.37	.34	.31
151765CK	6P4C (RJ11) side flange	AMP	.45	.43	.39
105945CK	6P4C (RJ11) top flange	623	.62	.56	.42
204206CK	6P4C (RJ11) lead wires	—	1.09	.99	.89
115836CK	6P6C (RJ11) side flange	—	.74	.67	.59
204177CK	6P6C (RJ11) dual	—	1.49	1.35	1.19
124038CK	6P6C (RJ11) 6" leads	—	1.25	1.15	.99
115844CK	8P8C (RJ45)	641	.48	.44	.40
204214CK	8P8C (RJ45) 0.81"L	—	1.19	1.09	.95
203449CK	8P8C (RJ45) shielded Pin spacing "A" = 0.055"	—	1.19	.99	.85

- Voltage rating: 150VAC max.
- Contact current rating: 1.5A max. @ 25°C
- Durability: 750 mating cycles
- PC mount
- *W/E = Western Electric type number



Keystone-Type Wall Plates

• Size: 2.8"W x 4.5"H

Part No.	No. of ports	Color	1	10	100
195549CK	1	Ivory	\$1.25	\$1.15	\$0.99
195557CK	2	Ivory	1.25	1.15	.99
195565CK	3	Ivory	1.25	1.05	.79
195573CK	4	Ivory	1.25	1.05	.79
212978CK	1	White	1.25	1.15	.99
212994CK	2	White	1.25	1.15	.99
212986CK	3	White	1.25	1.15	.99
212960CK	4	White	1.25	1.15	.99
213508CK	Filler	White	.29	.25	.19



195557CK



212960CK

Keystone RJ-45 & RJ-11 Jacks

Modular Punchdown Type

- Removable jacks used in wall plates (shown above)
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D
- RJ45: 8P8C RJ11: 6P6C



213516CK

RJ45

Part No.	Color	1	10	100
195590CK	Red	\$3.75	\$3.55	\$3.19
195602CK	Yellow	3.75	3.55	3.19
195611CK	Green	3.75	3.19	2.39
195629CK	Black	3.75	3.55	3.19
195637CK	Ivory	3.75	3.38	2.99
212951CK	Blue	3.75	3.55	3.19
212943CK	White	3.75	3.55	3.19

RJ11

Part No.	Color	1	10	100
213524CK	Black	\$3.75	\$3.55	\$2.99
213516CK	White	3.75	3.55	3.19

Keystone BNC/F-Type Jacks

- Removable jacks used in wall plates (shown above)
- Clip on for easy installation on wall plates

SALE



195645CK

224637CK

Part No.	Description	Color	1	10	100
195645CK	F-Type F to F	Ivory	\$0.99	\$0.90	\$0.82
224637CK	BNC F to F	White	1.55	1.41	1.28

AMP Modular Plugs & Jacks

PCB Modular Jacks

- Meets or exceeds FCC Part 68 rules & regulations
- Meets 1000 volt dielectric requirement
- Designed for ease of soldering and board cleaning



Standard Modular Plugs

- One-piece construction with preloaded contacts
- FCC & EIA/TIA industry standard size & performance
- Available in round or flat oval for stranded or solid wire and Cat 5

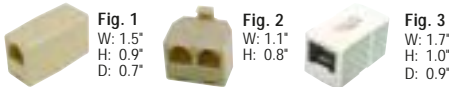
In-Line Couplers

- Female • 6 or 8 position

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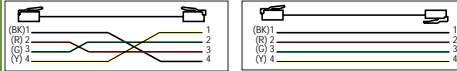
See Our AMP Modular Connectors Series Offering at www.Jameco.com/Prod/AMPModular

Modular Couplers and Adapters



Style 1 Reverse wiring for telephone systems

Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
72207CK	6P4C male "T" adapter, Style 2. Provides 2 jacks from 1 line. Male modular plug (6P4C), 2 female modular receptacles (6P4C) RJ11	2	.99	.89	.80
71757CK	6P6C modular coupler, Style 1, RJ11	1	.95	.86	.79
135087CK	6P6C modular coupler, Style 2, RJ11	1	.99	.89	.79
181091CK	6P6C male "T" adapter, Style 2. Provides 2 jacks from 1 line. Male modular plug (6P6C), 2 female modular receptacles (6P6C) RJ11	2	.99	.89	.78
118501CK	8P8C modular coupler, Style 1, RJ45	1	1.85	1.75	1.55
135079CK	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023CK	8P8C modular coupler, Style 2 (for Cat. 5) RJ45	3	7.99	7.19	6.49

Modular Jack Boxes & Wall Plates



Fig. 1 W: 2.8" H: 4.5"
 Fig. 2 W: 2.8" H: 4.5"
 Fig. 3 W: 2.8" H: 4.7"
 Fig. 4 W: 2.0" H: 2.2" D: 0.9"
 Fig. 5 W: 1.5" H: 2.4" D: 1.1"
 Fig. 6 W: 2.4" H: 2.4" D: 1.1"

Part No.	Description	Fig.	1	10	100
72311CK	6P6C & 8P8C double wall jack plate w/ jacks (beige)	1	\$1.95	\$1.75	\$1.57
319839CK	8P8C triple wall jack plate w/ jacks (white) (CAT 6)	2	11.19	10.65	10.09
319821CK	8P8C quad wall jack plate w/ jacks (white) (CAT 5e)	3	11.75	11.15	10.59
103464CK	6P4C adhesive jack RJ11 (beige)	4	1.39	1.19	1.09
71984CK	6P6C adhesive jack RJ11 (beige)	4	1.39	1.19	.99
71651CK	8P8C adhesive jack RJ45 (beige)	4	1.95	1.65	1.45
213031CK	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	5	3.29	2.99	2.69
213049CK	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	6	4.15	3.75	3.39

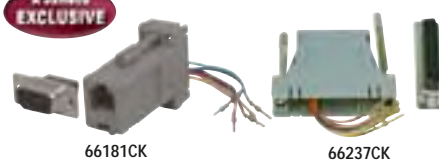
Network Jacks

- Cat 5, Cat 5e or Cat 6
- In-line couplers, surface jacks, 90° jacks and toolless jack

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Network Jack Offering at www.Jameco.com/Prod/GCJacks

RS-232-to-RJ11/RJ45 Modular Jack Adapters



Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
204265CK	DB9 M to RJ11 (6P4C)	\$1.95	\$1.66	\$1.24
66181CK	DB9 M to RJ11 (6P6C)	2.59	2.35	2.09
66190CK	DB9 M to RJ45 (8P8C)	2.89	2.65	2.35
114737CK	DB9 F to RJ11 (6P4C)	1.95	1.79	1.59
66202CK	DB9 F to RJ11 (6P6C)	2.79	2.55	2.29
66211CK	DB9 F to RJ45 (8P8C)	2.99	2.69	2.45
204281CK	DB25 M to RJ11 (6P4C)	2.39	2.15	1.29
66229CK	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237CK	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45
204273CK	DB25 F to RJ11 (6P4C)	1.95	1.75	1.55
66245CK	DB25 F to RJ11 (6P6C)	2.59	1.95	1.39
66253CK	DB25 F to RJ45 (8P8C)	2.89	2.59	2.29

"EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

- For solid or stranded wire
- 8P8C plug
- Use standard modular crimping tool

Part No.	Product No.	1	10	100	250
158115CK	RJ45 (8P8C)	\$1.75	\$1.58	\$1.42	\$1.25

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. And when you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.



Part No.	Description	Price
23349CK	RJ11 retractable cable	\$2.95

Telco Adapters

- One piece construction for quick installation
- RJ-11, RJ12 & RJ-45 to DB-9, DB15 & DB25

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Telco Adapters Offering at www.Jameco.com/Prod/GCTelco

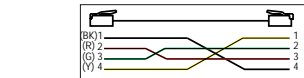
Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use



Low Cost Data/Phone Cables

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
189940CK	1	RJ11-6P2C	7ft.	\$.99	\$.84	\$.63
196226CK	1	RJ11-6P4C	7ft.	1.69	1.39	1.07
115553CK	2	RJ11-6P4C	7ft.	1.25	1.09	.89
355645CK	2	RJ11-6P4C	14ft.	2.19	1.59	1.38
115545CK	1	RJ11-6P4C	25ft.	2.29	2.09	1.85
201232CK	2	RJ11-6P4C	35ft.	1.95	1.66	1.24
115588CK	1	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617CK	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
355653CK	2	RJ11-6P6C	14ft.	2.75	1.99	1.73
115676CK	2	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige

Surface Mount Boxes

Category 5 and 5e

- RJ45 • 8P8C
- 100MHz
- Size: 2.6"L x 3.2"W x 1.2"H
- CAT 5e (except P/N 176073CK)

SALE



213014CK

Part No.	Description	1	10	100
176073CK	Single jack (beige)	\$5.75	\$5.25	\$4.95
213022CK	Single jack (white)	5.25	4.77	4.34
213014CK	Dual jack (white)	7.19	6.53	5.93

RJ45-Plug Color Caps (Boots)

- Round strain relief
- Minimum order 10 pieces

Part No.	Color	10	100	500	1000
204409CK	Black	\$.14	\$.13	\$.12	\$.09
204388CK	Yellow	.18	.16	.14	.12
204353CK	Gray	.14	.13	.12	.095
204361CK	Blue	.18	.16	.14	.12
204425CK	Red	.14	.12	.11	.091
204396CK	Green	.14	.12	.098	.073
204370CK	Ivory	.14	.12	.098	.073

Retractable Cord

- Length: 24', 12"
- 4 conductors
- 18 AWG (42 x 34)
- Bare copper, rubber insulated, cabled with fillers
- Black neoprene jacket
- Voltage Rating: 300V
- UL listed and CSA certified



Part No.	Product No.	1	10	100
481895CK	94824	\$25.75	\$24.51	\$23.27

✦ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Call for OEM pricing

Nylon Cable Ties

Standard



70560CK

- Cable ties made from UL approved Nylon 66
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182676CK)
- Sold in increments of 100 or 1000

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70560CK	18	3.1 x 0.10	\$.025	\$.015
126543CK	18	4.0 x 0.10	.02	.014
182676CK	18*	4.75 x 0.13	.03	.025
182650CK	18	5.5 x 0.13	.035	.025
139150CK	18	8.0 x 0.10	.06	.04
182668CK	18	8.0 x 0.13	.075	.05
182684CK	18	8.0 x 0.18	.036	.033
70906CK	40	5.8 x 0.10	.035	.029
190756CK	40	10.0 x 0.14	.12	.086
190772CK	40	11.0 x 0.19	.10	.075
190764CK	40	13.0 x 0.14	.10	.075

* Black

Weather Resistant



104141CK

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Color: black
- Sold in increments of 100 or 1000

UV Resistant

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125CK	18	3.0 x 0.90	\$.045	\$.029
104141CK	18	4.0 x 0.10	.044	.029
104133CK	40	5.8 x 0.10	.047	.031
190781CK	40	8.0 x 0.13	.085	.065
190799CK	40	10.0 x 0.14	.10	.09
190801CK	40	13.0 x 0.14	.113	.088

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701CK:
1000 pcs. (4"L); 10 colors

150412CK:
500 pcs. (4"L); 300 pcs. (8"L);
50 pcs. (11"L), 5 colors

Part No.	Weight (lbs.)	1	10	50
145701CK	0.7	\$9.49	\$8.49	\$7.39
150412CK	1.7	16.49	15.25	14.15



Contractor Grade Cable Ties

Chances are we have a cable tie for your application! Avery Dennison™ cable ties are available in a wide variety of sizes and in three different materials.

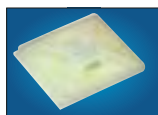
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Avery Dennison Cable Ties Offering at www.Jameco.com/Prod/AveryTies

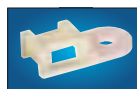


Cable Tie Mounts and Cable Clamps

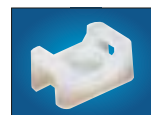
- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- Sold in increments of 10, 100 or 1000



182941CK/171213CK
71407CK/71394CK
71386CK



70594CK



182300CK/173761CK



182318CK/182376CK



182334CK/182342CK



173711CK/173729CK
173737CK/134754CK
173753CK

Part No.	Cross Ref. No.	Description	10	100	1000
182941CK	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	\$.07	\$.055	\$.052
171213CK	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.15	.13	.094
71407CK	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.18	.16	.13
71394CK	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386CK	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.25	.19	.13
70594CK	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.15	.09	.05
182300CK	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.15	.14
173761CK	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.15	.125	.075
182318CK	0519ATC-17	2-way adjustable tie mount, #6 flat head screw, 0.7"D	.37	.35	.33
182376CK	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	.29	.261	.222
182334CK	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.17	.15	.12
182342CK	0520FC-2	Cable tie mount, self adhesive, 0.2"D	.15	.135	.122
173711CK	UC0	Cable clamp for 1/8" cable	.08	.027	.019
173729CK	UC0.5	Cable clamp for 3/16" cable	.035	.032	.019
173737CK	UC1	Cable clamp for 1/4" cable	.14	.09	.063
134754CK	B0375	Cable clamp for 3/8" cable	.08	.029	.018
173753CK	UC3	Cable clamp for 1/2" cable	.099	.041	.031

Cable Ties



Pan Ty Cable Ties

- Miniature to standard cross sections feature a curved tip for easy threading and handling
- Lowest threading force of any one piece cable tie in the industry
- Natural nylon

Barb Ty Cable Ties

- Weather resistant nylon has greater resistance to ultraviolet light which damages natural nylon
- Stainless steel locking barb provides infinite adjustability over its entire length
- Black nylon

Cable Tie Mounts

- Unique cradle design provides maximum stability for cable bundle
- Low profile design keeps bundle close to mounting surface where overhead space is limited
- Nylon

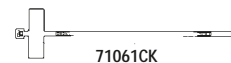
Cable Tie Label

- Dot matrix
- White Tedlar®
- Designed to identify all sizes of wires and cables quickly and economically
- Overlamine protects legend for clear, permanent identification
- Self-laminating

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Panduit Cable Ties Offering at www.Jameco.com/Prod/PanduitTies

Nylon Cable ID Ties and Tabs



71061CK



135175CK

71061CK: Clear ID tab (0.98" x 0.31")

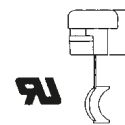
135175CK: Nylon cable tie ID marker

- Sold in increments of 10, 100 or 1000

Part No.	Size	10	100	1000
71061CK	4.0"L x 0.1"W	\$.085	\$.08	\$.072
135175CK	2.0"L x 0.8"W x .02"T	.22	.11	.08

Round-Type Strain Relief Bushings

- Material: UL approved nylon 66, 94V-2
- Color: black
- Used extensively for protecting cords and to prolong cord life



182369CK

- Sold in increments of 10, 100 or 1000

Part No.	Cable Type	Lgth (in.)	10	100	1000
182351CK	SVI/SVT	.43	\$.05	\$.043	\$.04
182369CK	SJ/SJT; 16 AWG	.58	.18	.10	.085
182377CK	SJC; 18 AWG	.58	.24	.22	.20

Bushing Assembly Tool

- For use with strain relief bushings, above



Part No.	Description	1	10	100
73470CK	Bushing tool	\$34.95	\$28.75	\$28.45

For more tools see pages 276 - 283.

ABBATRON

Wire Management

Cable Clamps

- Plastic or steel
- Length: 3/8" or 1/2"
- Mounting hole: #8 or 11/64"

Wire Strain Relief Clamps

- One-piece easy-to-install relief; absorbs pull and twist stress on power cords

Fahnestock Clips

- Mounting hole: #4

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Abbatron Wire Management Offering at www.Jameco.com/Prod/WireMgmt

Pressure Sensitive Wire Marker

Easy release vinyl cloth markers feature a strong, pressure-sensitive adhesive, for long lasting bond on a wire or cable. Black non-smear legends on white background for easy identification.

- Convenient pocket-size booklet
- 10 sheets numbered 1 to 45 each sheet

SALE

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	1	10	100
216813CK	TCWM-3	\$6.99	\$6.39	\$5.81

Self Adhesive Wire Marker

- 90 markers per number
- Stick to wires for permanent identification
- Cloth tape label numbered 0-9
- Used after or before terminal

Part No.	Cross Ref. No.	1	10
182262CK	0215WMB-1	\$7.09	\$6.45

3M Tape Wire Marker

- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W

Part No.	Description	1	10
159231CK	Numerical tape dispenser	\$30.95	\$27.95

3M ScotchCode™ STD-C Wire Marker Tape Dispenser

The 3M™ ScotchCode™ STD Tape Dispenser is a compact, carry-along dispenser with ten refillable compartments that hold eight-foot rolls of non-smear polyester tape. Used for marking binder groups, wire or cable, the tapes' high tack, acrylic adhesive resists solvents, oil and water, and adheres firmly to insulation surfaces. An end-loop hooks the dispenser easily to a tool pouch or belt.

Part No.	Description	1	5
652164CK	Marker tape dispenser	\$33.69	\$32.85

Cable Markers

- UL approved natural nylon
- 10 piece minimum

Part No.	Size	10	100	1000
182705CK	1.5"L x .75"W	\$1.10	\$0.09	\$0.08
182713CK	2.5"L x 1.76"W	.25	.23	.20

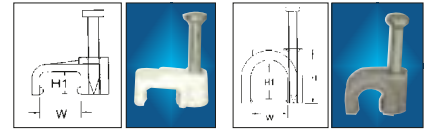
Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action • Metal

Part No.	Cross Ref. No.	1	5	10
182297CK	0302TG-7	\$16.99	\$15.99	\$14.99

Find additional 3M products on pages 112, 151, 187, 283, 290-291 & 317.

Nail-In Cable Clips



190828CK

190861CK

- Material: impact resistant PE
- With nails inserted
- Sold in increments of 100 or 1000

For telephone cords; white

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190828CK	NF1.2	.24 x .21 x .15	\$0.006	\$0.005
190836CK	NF1.6	.31 x .31 x .20	.006	.005

For general round cables; gray

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190861CK	NCO.35N	.14 x .23 x .15	\$0.022	\$0.02
190887CK	NC1N	.24 x .35 x .26	.05	.02
190895CK	NC2N	.31 x .45 x .34	.015	.014
190908CK	NC3N	.39 x .53 x .41	.016	.015

Cable Clips

These nail-in cable clips are designed for use with RG-6 cables.

- For RG-6 type cables
- Includes 1" nail
- Prepackaged in increments of 100



Part No.	Description	1 Pkg	10 Pkgs
295603CK	Single RG-6 cable clip, white	\$3.39	\$2.79
295591CK	Single RG-6 cable clip, black	3.19	2.65
295611CK	Dual RG-6 cable clip, white	3.65	2.99
295620CK	Dual RG-6 cable clip, black	3.65	2.99

3M Adhesive Cord Clips

Organize cords behind computers, appliances and entertainment centers. They remove cleanly and may be reused with a new Command™ adhesive strip. Holds wires up to 3/8 inch in diameter. 4 medium clips and 5 small strips per pack.



Part No.	Description	1	10
645861CK	Adhesive cord clips	\$3.89	\$3.44

3M Cord Clips with Command

3M™ Cord Clips with Command™ Adhesive help organize all of those unsightly cords that run from the back of computers, appliances and home entertainment centers. They mount easily to any clean wall or finished wood surface and can be moved just as easily with replacement adhesive strips. 12 clips per pack.



Part No.	Description	1	10
645853CK	Adhesive cord clips	\$3.49	\$3.12

P PRODUCT

Braided Expandable Sleeving

- Provides continuous abrasion resistance for wires cables and tubing
- Lightweight durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Self extinguishing meets UL VW-1



Part No.	Description	1	5	10
489416CK	Black 500'▲	\$613.19	\$582.49	\$553.29

P PRODUCT

Grommet Edging

- General purpose material for indoor use up to 122°F (50°C)
- Provided in 0.030" (0.8mm) thick material making it highly flexible
- Use product on straight edges



Part No.	Description	1	5	10
489248CK	Natural 100'▲	\$29.75	\$27.05	\$25.69

P PRODUCT

Clincher Adjustable Releasable Clamp

- Fast and convenient method of securing bundles from 0.19" up to 0.69" dia.
- Please order in increments of 100



Part No.	Description	100	500	1000
489192CK	White▲	\$3.61	\$3.42	\$3.19

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Wire Management Enclosure

The "NO MORE" wire management solution for workstations, home office, and entertainment systems. Wall mountable, this enclosure prevents wire tangles and clutter, protects wires and connections from accidents, and neatly conceals wires of varying thickness. Made of durable, high impact molded resin. An innovative design that optimizes wire storage capacity.

- Size: 14.1"H x 8.0"W x 2.1"D
- Color: black



Part No.	Description	1	10
355872CK	Wire management enclosure	\$17.99	\$17.57

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

3M Heat Shrink Tubing 102-Piece Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering.

- Assorted pre-shrink sizes: 3/16" (30 pieces); 1/4" (28 pieces); 3/8" (20 pieces); 1/2" (14 pieces); 3/4" (6 pieces); 1" (4 pieces)
- Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481CK	Heat shrink kit	\$56.95	\$53.70	\$50.99

3M Heat Shrink Tubing Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering. The Assorted Color Kit has a total of 133 pieces and contains seven colors: black, red, white, yellow, blue, green and clear. All heat shrink tubing are in 6" lengths.

- Size: 3/32", 1/8", 3/16", 1/4", 3/8", 1/2"

Part No.	Description	1	5	10
645976CK	Heat shrink kit	\$56.95	\$53.70	\$50.99

Raychem Heat Shrink Tubing

- Flexible
- Shrink temp.: 90°C
- Material: cross linked polyolefin
- 2:1 shrink ratio
- Splash protection

DWP-125 – Double Wall

- Flexible, high shrink ratio, adhesive lined

RNF-100 – Single Wall

- Flexible, flame-retardant, general purpose

RW-175 – Single Wall

- High-temperature, chemical resistant

TMS Series – Military Grade

- Military specification material and print performance

TAT Series – Dual Wall

- Adhesive lined, flexible

Versafit – Single Wall

- Highly flame-retardant, very flexible, low shrink temp.

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See Our Raychem Heat Shrink Offering at
www.Jameco.com/Prod/RaychemHST

Polyolefin Heat Shrink Tubing FIT-221B Series

Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm
- Length: 4 ft.
- Color: black

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419101CK	FIT221B-3/64	.046/.023	\$.61	\$.55	\$.53
419127CK	FIT221B-1/16	.063/.031	.62	.56	.55
419143CK	FIT221B-3/32	.093/.046	.66	.59	.58
419160CK	FIT221B-1/8	.125/.062	.71	.64	.63
419186CK	FIT221B-3/16	.187/.093	.86	.77	.76
419207CK	FIT221B-1/4	.250/.125	1.09	.97	.96
419223CK	FIT221B-3/8	.375/.187	1.21	1.08	1.07
419240CK	FIT221B-1/2	.500/.250	1.37	1.22	1.21
419266CK	FIT221B-3/4	.750/.375	2.05	1.80	1.79
419282CK	FIT221B-1	1.00/.500	3.05	2.74	2.73

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black
- Shrink temp: 90°C
- Only sold in 10' & 100' lengths

Polyolefin Tubing

Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834CK	0.12" (3)	10	\$1.19	\$1.13
644851CK	0.12" (3)	100	10.49	9.99
644869CK	0.16" (4)	10	1.39	1.29
644877CK	0.16" (4)	100	12.49	11.85
644906CK	0.20" (5)	10	1.55	1.47
644914CK	0.20" (5)	100	14.99	14.25
644931CK	0.24" (6)	10	1.69	1.64
644949CK	0.24" (6)	100	16.49	15.67
644957CK	0.31" (8)	10	1.89	1.79
644965CK	0.31" (8)	100	17.99	17.49
644973CK	0.43" (11)	10	2.79	2.69
644981CK	0.43" (11)	100	24.99	23.75
644990CK	0.59" (15)	10	3.69	3.49
645001CK	0.59" (15)	100	35.99	34.19

PVC Flat Film

- Shrink temperature: 175°C
- Temperature range: -45°C to +125°C
- * Precut 39" length; sold as 1 increment

Part No.	Flat	Unshrunk Cir. Dia.	Shrunk Cir. Dia.	1*	10*	100*
70631CK	5/16" ⊕	1/4"	1/8"	\$1.69	\$1.55	\$1.39
70623CK	1/2" ⊕	5/16"	3/16"	1.69	1.44	1.08

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Flame retardant
- Shrink temp: 90°C
- Temperature range: -45°C to +125°C
- * Precut 39" length (1 meter); sold as 1 increment

Part No.	Before Dia. (mm)	1*	10*	100*
71327CK	.059" (1.5) ⊕	\$.55	\$.46	\$.41
71870CK	.079" (2.0) ⊕	.55	.45	.39
71280CK	.098" (2.5) ⊕	.69	.59	.54
72063CK	.197" (5.0) ⊕	.89	.76	.57
216477CK	.275" (7.0) ⊕	.99	.89	.79
226245CK	.375" (9.5) ⊕	1.09	.98	.88

Cable Sleeve Clean Cut Expandable Slewing

- Flame resistant
- Applications: protecting wires, cables and hoses
- Operating temp.: -70°C to 125°C
- Sold in spools of 25'

Part No.	Product No.	Actual/Expanded Dia.	1	10
162157CK	CCPT2X ⊕	0.250"/0.440"	\$15.95	\$14.95
162165CK	CCPT3X ⊕	0.500"/0.750"	17.95	14.49

Wiring Duct

- Light gray
- Lead free PVC

489230CK:

- Wide finger slotted wiring duct
- Standard mounting PC holes
- Size: 1.75"W x 1.62"H
- Sold in 6 foot lengths only

Part No.	Description	6	60
489230CK	Duct	\$5.65	\$5.39
489213CK	Cover	1.79	1.59

Wire Management Raceways & Accessories

WireHider® Raceway & Covers

- Original flexible vinyl flap design that traps wires in place during installation
- 3 sizes: 1/2", 1" & 1-1/2"
- UL94V0 Rated - flame retardant PVC
- Adhesive backing for easy installation
- Raceway and covers available in ivory, beige, brown, gray, clear and electrical ivory and white

Premiere Latching Duct

- Co-extruded one piece design featuring a durable, flexible hinge
- Adhesive backing for easy installation
- Safety hook latch design prevents accidental opening
- 3 sizes: 1/2", 1" & 1-1/2"
- UL94V0 Rated - flame retardant PVC
- Available in white and beige
- Latex paintable

Premiere Raceway On-A-Roll™

- Folds into a rigid PVC channel for wire or cable installations
- Low cost - High quality
- Easy storage for up to 100 ft. of raceway
- Perfect for around windows and doors
- Adhesive backing for easy installation
- 4 sizes: 1/4", 3/8", 1/2", & 1"
- UL94V0 Rated - flame retardant PVC
- Available in white and beige
- Latex paintable

Accessories

- Right angles, outside corners, end caps, reducers, inside corners, ceiling drops, tees and adapters for surface mount boxes
- Accessories available in white, beige, brown, gray and electrical ivory and white
- 3 sizes: 1/2", 1" & 1-1/2"














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See Our Premiere Raceways Offering at
www.Jameco.com/Prod/Premiere

JAMECO ValuePro

Audio/Video Cables and Adapters

RCA Cables

Part No.	Description	1	10	25
228443CK	3' stereo RCA (2) male to (2) male plugs, gold plated 	\$1.49	\$1.39	\$1.29
183311CK	4' RCA male to male plug (black) 	.99	.89	.79
206973CK	4' RCA male to male plug (yellow) 	.99	.89	.79
106374CK	6' RCA male to male plug 	1.19	1.02	.94
228419CK	6' mono RCA male plug to female jack 	1.65	1.45	1.25
228486CK	6' RCA stereo (2) male plugs to (2) female jacks 	1.25	1.15	1.05
228451CK	6' RCA stereo (2) male to (2) male plugs, gold plated 	1.79	1.69	1.59
308734CK	6' RCA stereo (2) male to (2) male plugs (red/white)	1.65	1.49	1.35
228401CK	6' RCA stereo (2) male plugs to 3.5mm stereo male plug 	1.55	1.39	1.25
228427CK	10' RCA female jack to male plug 	2.35	1.95	1.79
29348CK	10' RCA male to male plug (yellow) 	1.69	1.55	1.35
228460CK	12' RCA stereo (2) male to (2) male plugs, gold plated 	2.09	1.89	1.75
225980CK	12' RCA (3) male to (3) male plugs, gold plated	4.49	3.89	2.89
225998CK	20' RCA (3) male to (3) male plugs, gold plated	7.99	6.79	5.09
228435CK	25' mono RCA male to male plug, nickel plated 	2.19	2.09	1.99
228478CK	25' RCA stereo (2) male to (2) male plugs, gold plated 	2.39	2.29	2.19

Video/Audio Patch Cables

Part No.	Description	1	10	25
228216CK	3' stereo video patch cable, gold plated 	\$1.19	\$1.13	\$1.07
228574CK	25' stereo video patch cable, gold plated 	6.99	6.29	5.65
228582CK	50' stereo video patch cable, gold plated 	12.59	11.35	10.19










JAMECO ValuePro

S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.






- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, and DVD players

228558CK/228566CK: 95% spiral wound shield S-VHS/audio conductors

Part No.	Description	1	10	25
228591CK	6' S-VHS video cable, gold plated 	\$2.15	\$1.95	\$1.79
228558CK	6' S-VHS audio-video cable, gold plated 	12.95	11.65	10.49
228566CK	12' S-VHS audio-video cable, gold plated 	14.95	13.45	12.15
228603CK	12' S-VHS video cable, gold plated 	2.65	2.35	2.10
228611CK	25' S-VHS video cable, gold plated 	4.05	3.85	3.65
229809CK	S-video 4-pin mini DIN female to female jack 	2.85	2.59	2.29
229391CK	S-video male plug to RCA video female jack 	5.39	4.85	4.39
295881CK	S-video female jack to RCA video male plug 	5.39	4.85	4.39
30351CK	S-video male plug to RCA video female jack 	5.39	4.85	4.39



3.5mm Audio Patch Cables

Part No.	Description	1	10	25
319206CK	27" 3.5mm mono male to male plug	\$1.09	\$.94	\$.89
326511CK	1' 3.5mm stereo male to male plug	1.75	1.59	1.39
664288CK	3' 3.5mm stereo male to male plug (black)	1.09	.99	.75
326529CK	6' 3.5mm stereo male to male plug (green/blue) 	1.39	1.18	.89
228494CK	6' 3.5mm stereo male to male plug (black) 	1.39	1.19	.99
228515CK	6' 3.5mm stereo male plug to female jack 	1.49	1.35	1.25
228507CK	12' 3.5mm stereo male to male plug (black) 	1.69	1.49	1.29
228523CK	12' 3.5mm stereo male plug to female jack 	1.65	1.49	1.35

JAMECO ValuePro








3.5mm Female Jacks and Male Plugs



- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231159CK/231167CK: With spring strain relief

SALE

Part No.	Cross Ref. No.	Description	1	10	100	1000
109495CK	PJ035PM 	Mono F jack, 3.5mm hole size	\$.45	\$.40	\$.36	\$.32
165729CK	PJ035A 	Mono F jack, 3.5mm hole size .....	.69	.59	.49	.39
101151CK	PJ1035 	Mono male plug, plastic .....	.49	.38	.35	.29
147344CK	PJ1035L 	Mono male plug, plastic .....	.49	.38	.35	.29
231159CK	AP-336 	Mono male plug, metal	1.25	1.19	1.09	.95
231175CK	AP-340 	Stereo male plug, plastic .....	.55	.43	.36	.32
231167CK	AP-343 	Stereo male plug, metal	1.79	1.60	1.45	1.30

Compare Our Awesome Prices in Audio Connectors!

Jameco Part No.	Product No.	Jameco Price	Digi-Key Price	Mouser Price	Newark Price	Minimum Savings	Discount
220564CK	KY-006-1(W)	\$0.45	\$0.61	\$0.53	Not Offered	\$0.08	15.1%
220564CK	KY-006-1(Y)	\$0.45	\$0.61	\$0.53	Not Offered	\$0.08	15.1%
281800CK	3502	\$1.75	\$2.20	\$2.18	\$2.63	\$0.43	19.7%
281818CK	3502A	\$1.85	Not Offered	\$1.98	\$2.63	\$0.13	6.6%
281682CK	D5F	\$13.39	\$15.20	\$17.10	\$18.24	\$1.81	11.9%
297537CK	N111	\$1.69	\$2.56	\$1.98	\$2.17	\$0.29	14.6%
296956CK	70	\$6.79	Not Offered	\$7.70	\$7.95	\$0.91	11.8%
281869CK	750	\$2.49	\$3.48	\$2.97	\$4.18	\$0.48	16.2%

These are single unit prices taken from each party's website on February 28, 2006, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

We're Listening to What You Need



Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs.

Please send requests to NewProducts@Jameco.com.

Audio Adapters and Cables



RCA Audio Adapters

Part No.	Description	1	10	25	100
228283CK	RCA female jack to mono 1/4" male plug	\$.99	\$.89	\$.69	\$.55
228371CK	RCA male plug to 1/4" mono female jack	1.25	1.10	.79	.69
228267CK	RCA female to female jack coupler, gold plated	.95	.79	.55	.45
159441CK	RCA female to female jack coupler, metal	1.15	.99	.87	.65
228339CK	RCA F jack to 3.5mm mono M plug, gold plated	.75	.68	.62	.56
228291CK	RCA F jack to 3.5mm mono M plug, nickel plated	.59	.54	.49	.45

RCA Y-Cables

Part No.	Description	1	10	25	100
139037CK	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.25	\$1.99	\$1.79	\$1.61
228371CK	6" Y-cable (2) RCA M plugs to RCA F jack	.99	.89	.80	.72
228355CK	6" Y-cable RCA M plug to (2) RCA F jacks	1.29	1.15	1.06	.79
228380CK	6" Y-cable (2) RCA F jacks to 3.5mm stereo plug	1.95	1.76	1.59	1.19

3.5mm Audio Adapters

Part No.	Description	1	10	25	100
228275CK	3.5mm stereo female to female jack	\$.41	\$.37	\$.34	\$.32
309665CK	3.5mm stereo F jack to 3.5mm mono M plug	.95	.78	.61	.52
228304CK	3.5mm stereo M plug to (2) 1/4" stereo F jacks	.93	.84	.77	.70
228339CK	3.5mm mono M plug to RCA F jack, gold plated	.75	.68	.62	.56
228291CK	3.5mm mono M plug to RCA F jack, nickel plated	.59	.54	.49	.45

3.5mm Y-Cables

Part No.	Description	1	10	25	100
139037CK	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.25	\$1.99	\$1.79	\$1.61
228398CK	6" Y-cable (2) 3.5mm stereo female jacks to 3.5mm stereo male plugs	1.95	1.65	1.35	1.25
228380CK	6" Y-cable (2) RCA F jacks to 3.5mm stereo M plug	1.95	1.76	1.59	1.19

Jameco ValuePro Perma Seal RCA/BNC Connectors

Use the color code chart below to replace the "xx" when ordering

02 - Red	04 - Yellow	05 - Green	09 - White	10 - Black	13 - Blue
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e.g. 292102CK - 2921 is the Jameco designation for RCA RG-59 plug and 02 is for color red

Part No.	Description	1	10	292102CK
2922xxCK	RCA RG-6 plug	\$1.59	\$1.49	
2921xxCK	RCA RG-59 plug	1.59	1.49	
2924xxCK	BNC RG-6 plug	1.89	1.79	
2923xxCK	BNC RG-59 plug	1.89	1.79	292410CK



NEUTRIK Audio Connectors

- Adapters
- Cable connectors
- Jacks
- Male and female

XLR Phone Adapters and Jacks

BNC Connectors

XLR Lockable Speaker Connectors

1/4" Professional Phone Plugs

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Neutrik Audio/Video Connector Offering at
www.Jameco.com/Prod/NeutrikAudio

Switchcraft Audio/Video Products

Switchcraft is a leading supplier of a broad line of components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries.

Jacks & Plugs

Switches

Audio connectors

Patch cords

Jack covers

Receptacles

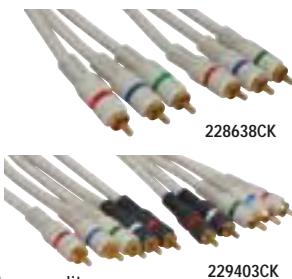
Pushbuttons

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See Complete Switchcraft Audio/Video Connector Offering at
www.Jameco.com/Prod/SwitchcraftAV

Component Video and Audio Cables

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality



Part No.	Description	1	2	5
228620CK	6' component video RGB cable	\$9.99	\$8.99	\$7.96
228638CK	12' component video RGB cable	19.95	17.95	16.16
228646CK	25' component video RGB cable	25.95	23.36	21.02
229403CK	6' component video RGB and stereo audio cable	14.95	13.46	12.11
229411CK	12' component video RGB and stereo audio cable	25.95	23.36	21.02
229420CK	25' component video RGB and stereo audio cable	29.95	26.96	23.86

RG-6/RG-59 75Ω Coaxial Cables

Type	Length (ft.)	Part No. (Black)	Part No. (White)	1	5
RG-6	3	286977CK	287232CK	\$1.69	\$1.59
RG-59	3	85585CK	—	1.05	.95
RG-6	6	287101CK	287241CK	2.29	2.15
RG-6	12	287128CK	287259CK	3.69	3.49
RG-6	25	287152CK	287267CK	6.99	6.65
RG-6	50	287179CK	287275CK	13.49	12.75
RG-6	75	287208CK	287291CK	18.99	18.15
RG-59	75	355670CK	—	17.95	17.05
RG-6	75	297668CK	—	14.69	13.99
RG-6	100	287224CK	287304CK	24.99	23.75

75Ω F Connectors, Adapters & Terminators





See page 146







RCA Plugs

- High-quality plastic and metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Description	1	10	25	100
229876CK	Black 	\$1.89	\$1.69	\$1.55	\$1.39
229868CK	Red 	1.89	1.69	1.55	1.39
229884CK	White 	1.89	1.69	1.55	1.39
230287CK	Yellow 	1.89	1.69	1.55	1.39














Plastic screw-on cover w/ integral cable protection

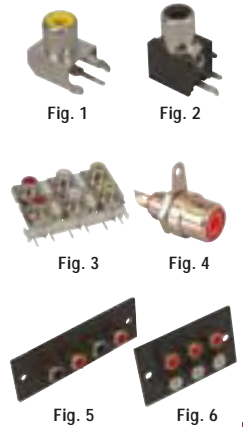
229921CK	Black (5 pk) 	\$1.15	\$1.05	\$.91	\$.85
229930CK	Red (5 pk) 	1.15	1.05	.91	.85
229913CK	White (5 pk) 	1.19	1.09	.95	.89
229892CK	Yellow (5 pk) 	1.19	1.09	.95	.89



RCA Jacks

- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions	1	10	100	1000
220581CK	1	PCB mount, white 	.44"W x .56"D x .48"H ..	\$.45	\$.31	\$.28	\$.22
220556CK	1	PCB mount, red 	.44"W x .56"D x .48"H ..	.45	.31	.28	.22
220572CK	1	PCB mount, black 	.44"W x .56"D x .48"H ..	.45	.31	.28	.22
220564CK	1	PCB mount, yellow 	.44"W x .56"D x .48"H ..	.45	.31	.28	.22
112475CK	1	PCB mount, red 	.44"W x .58"D x .48"H ..	.39	.35	.31	.19
169501CK	2	PCB mount, black 	.40"W x .85"D x .50"H ..	.39	.35	.32	.26
237016CK	3	PCB mnt., 2x3 grid, red/wht/yel	2.0"W x .45"D x 1.10"H ..	.89	.79	.69	.65
159484CK	4	Panel mount, black 	.84"W x .38"H ..	.49	.39	.33	.24
172339CK	4	Panel mount, red 	.84"W x .38"H ..	.49	.39	.31	.23
319231CK	5	Panel mount, 1x2 grid, red/wht 	2.1"W x .48"D x .78"H ..	.79	.69	.65	.62
319249CK	5	Panel mount, 1x4 grid, red/blk 	2.9"W x .48"D x .98"H ..	1.19	.99	.94	.89
319257CK	6	Panel mount, 2x2 grid, red/wht 	2.0"W x .48"D x 1.38"H ..	1.19	.99	.94	.89
319265CK	6	Panel mount, 2x3 grid, red/wht 	2.3"W x .48"D x 1.41"H ..	1.29	1.15	1.09	1.03
319071CK	6	Panel mount, 2x4 grid, red/blk 	3.0"W x .49"D x 1.40"H ..	1.39	1.19	1.13	1.07




See page 151 for Power Jacks and Plugs.

Switchcraft – For Highest Quality Connectors

Switchcraft®




Audio Plugs and Jacks



Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281869CK	750 	1	3.5mm mono audio plug, plastic	14.0mm x 41.5mm x 5.7mm ID	\$2.49	\$2.17	\$1.99	\$1.81
281834CK	41 	2	3.5mm audio jack	7.8mm x 5.9mm	1.29	1.22	1.15	1.09
297019CK	125 	3	3.5mm mono jack, metal	31.75mm x 10.3mm Dia.	5.19	4.54	4.08	4.01
296930CK	42A 	11	3.5mm mono phono audio jack, metal	15.9mm x 12.7mm Dia.	1.75	1.60	1.52	1.48
297035CK	142A 	4	3.5mm mono jack, plastic	21.03mmL x 9.52mmW x 12.7mmH	3.19	2.93	2.74	2.55
297297CK	850 	5	2.5mm mono phono audio plug, plastic	25.8mm x 6.35mm Dia.	2.99	2.91	2.84	2.76
297625CK	TR2A 	6	2.5mm mono audio jack, metal	12.6mm x 8.2mm Dia.	2.75	2.45	2.29	2.11
281789CK	297 	7	1/4" stereo phone audio plug, metal	73.7mm x 7.6mm ID	4.59	3.82	3.19	2.91
281771CK	280 	8	1/4" mono phone audio plug, metal	73.7mm x 7.6mm ID	3.15	2.82	2.58	2.36
281762CK	267 	9	1/4" stereo phone audio plug, plastic	73.7mm x 7.6mm ID	4.25	3.22	2.95	2.69
281754CK	250 	10	1/4" mono phono audio plug, plastic	73.7mm x 7.6mm ID	2.55	2.39	2.13	1.94
281746CK	12B 	11	1/4" stereo phone audio jack	14.7mm x 9.1mm Dia.	1.49	1.39	1.32	1.24
281738CK	11 	12	1/4" mono phone audio jack	12.8mm x 9.1mm Dia.	1.39	1.29	1.19	1.15
296892CK	12A 	11	1/4" mono phono audio jack, metal	31.7mm x 9.4mm Dia.	1.79	1.43	1.33	1.26
296905CK	13B 	11	1/4" mono phono audio jack, metal	30.6mm x 9.4mm Dia.	4.15	3.76	3.37	3.22
296956CK	70 	8	1/4" mono phono audio plug, metal	84.8mm x 9.7mm ID	6.79	5.48	4.93	4.44
297001CK	121 	13	1/4" mono phono audio jack, metal	63.5mm x 12.7mm Dia.	7.15	5.87	5.22	4.74
297043CK	151 	14	1/4" mono phono audio jack, metal	57.15mm x 15.87mm Dia.	5.99	4.65	4.30	4.25
297060CK	170 	15	1/4" mono phono audio jack, metal	69.4mm x 17.46mm Dia.	7.89	5.99	5.58	5.32
297107CK	226 	16	1/4" mono phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	3.89	3.70	3.23	2.93
296913CK	14B 	11	1/4" stereo phono audio jack, metal	31.6mm x 9.4mm Dia.	5.19	4.79	4.55	4.31
297051CK	152B 	14	1/4" stereo phono audio jack, metal	57.15mm x 15.87mm Dia.	5.75	5.11	5.02	4.89
297158CK	290 	17	1/4" stereo phono audio jack, metal	42.9mm x 12.7mm Dia.	6.19	4.78	4.38	4.16
297123CK	236 	16	1/4" stereo phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	4.89	4.83	4.43	4.11
297140CK	238 	18	1/4" stereo phono audio jack, RA, metal	41.28mm x 19.84mm Dia.	5.55	5.30	4.95	4.70
296972CK	111 	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.45	1.31	1.25	1.21
297537CK	N111 	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.69	1.54	1.47	1.43
302543CK	240 	10	1/4" mono phono audio jack, black	78.3mm x 7.5mm ID	2.99	2.72	2.59	2.55
297115CK	228 	20	1/4" mono phono audio jack, RA, metal	42.1mm x 25.4mm Dia.	4.95	4.76	4.44	4.17
296981CK	112B 	19	1/4" phono audio jack, 3C, plastic	34.8mm x 15.87mm Dia.	1.59	1.41	1.38	1.33
297027CK	131 	13	1/4" phono audio jack, 3C, plastic	63.5mm x 12.7mm Dia.	10.49	7.82	6.88	6.43
297271CK	515 	21	1/4" jack cover	27.2mm x 21.9mm	7.15	6.95	6.79	6.63

 Blue Part No. = Limited Quantity Available

Switchcraft®

DIN Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
296948CK	61HA5F 	22	5-pin DIN receptacle, panel mount	20mm x 17mm Dia.	\$4.09	\$3.28	\$3.02	\$2.93
296876CK	05BL5M 	23	5-pin DIN plug, metal	29.2mm x 13.6mm Dia.	4.99	4.57	4.11	3.91
296884CK	05GM5M 	24	5-pin DIN plug, gray plastic	63.3mm x 13.6mm Dia.	4.55	3.72	3.28	3.12

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 1.*

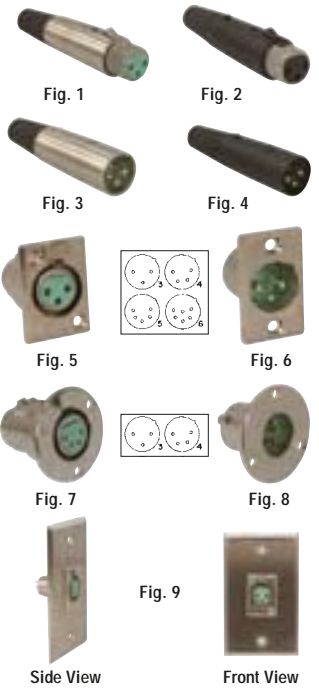


Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

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Microphone (XLR) Connectors

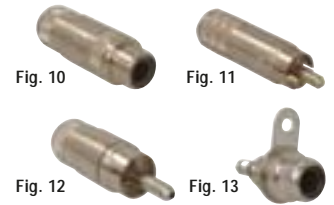
Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
277026CK	A3F	1	3-pin female, metal	82.5mm x 5.3mm Dia.	\$4.49	\$3.99	\$3.58	\$3.26
277034CK	A3FB	2	3-pin female, black	82.0mm x 5.3mm Dia.	5.19	3.99	3.65	3.33
281560CK	A3M	3	3-pin male, metal	70.3mm x 5.3mm Dia.	3.79	3.17	2.83	2.58
281578CK	A3MB	4	3-pin male, black	70.3mm x 6.1mm Dia.	4.59	3.53	3.24	2.95
297422CK	C3F	7	3-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	7.85	7.04	6.22	5.63
297431CK	C3M	8	3-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	5.65	4.28	3.97	3.92
281640CK	D3F	5	3-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.89	4.50	4.13	3.75
281658CK	D3M	6	3-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	4.35	3.33	3.06	2.78
281720CK	J3FS	9	3-pin female, wall plate	69.9mmW x 114.3mmH	23.19	20.88	18.79	16.82
281586CK	A4F	1	4-pin female, metal	82.0mm x 5.5mm Dia.	7.25	5.56	5.09	4.64
281594CK	A4M	3	4-pin male, metal	71.2mm x 4.8mm Dia.	4.59	4.08	3.68	3.32
297449CK	C4F	7	4-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	12.15	9.11	8.35	7.97
297457CK	C4M	8	4-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	7.19	5.48	5.02	4.82
281666CK	D4F	5	4-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	8.35	6.38	5.85	5.32
281674CK	D4M	6	4-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.19	3.96	3.63	3.31
281607CK	A5F	1	5-pin female, metal	82.0mm x 4.7mm Dia.	12.09	9.06	8.31	7.55
281615CK	A5M	3	5-pin male, metal	70.2mm x 5.3mm Dia.	9.35	7.18	6.58	5.92
281682CK	D5F	5	5-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	13.39	10.32	9.46	8.55
281691CK	D5M	6	5-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	9.25	7.01	6.43	5.84
281623CK	A6F	1	6-pin female, metal	80.2mm x 4.6mm Dia.	10.79	10.25	9.45	8.32
281631CK	A6M	3	6-pin male, metal	70.5mm x 4.5mm Dia.	9.55	8.78	8.15	7.51
281703CK	D6F	5	6-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	18.95	14.19	13.02	11.83
281711CK	D6M	6	6-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	12.35	11.80	9.49	8.30



Switchcraft®

RCA Plugs and Jacks

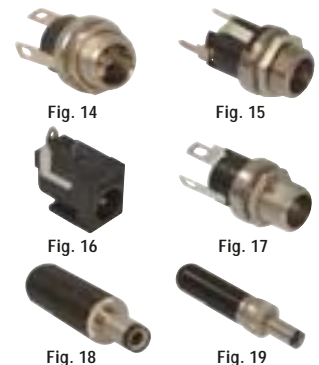
Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281826CK	3503	10	RCA phono audio jack, metal	43.2mm x 7.6mm ID	\$2.59	\$2.52	\$2.45	\$2.38
281818CK	3502A	11	RCA phono audio plug, nickel	42.4mm x 7.3mm ID	1.85	1.66	1.54	1.40
281800CK	3502	12	RCA mono phono audio plug, metal	33.8mmL x 5.0mm ID	1.75	1.37	1.21	1.10
281797CK	3501FP	13	RCA phono audio jack, metal	16.3mm x 6.0mm Dia.	1.29	1.00	.97	.93



Switchcraft®

Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281842CK	712A	14	2.5mm DC power jack, panel mount	15.8mm x 7.5mm Dia.	\$2.05	\$2.02	\$1.98	\$1.88
281851CK	722A	14	2.1mm DC power jack, panel mount	15.1mm x 7.5mm Dia.	2.09	1.94	1.87	1.80
297588CK	RAPC722	16	2.0mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.85	.77	.71	.68
297561CK	PC722A	15	2.0mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.65	2.39	2.35	2.29
297570CK	RAPC712	16	2.5mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.86	.77	.71	.68
297553CK	PC712A	15	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.99	2.77	2.59	2.53
297529CK	L712A	17	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	3.75	3.50	3.05	2.75
281877CK	760	18	2.5mm x 5.5mm DC power plug, plastic	9.6mm x 36.3mm x 5.7mm Dia.	2.15	1.94	1.76	1.66
297617CK	S760	18	2.1mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	2.25	2.09	2.04	2.03
297289CK	761K	19	2.5mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	3.99	3.59	3.47	3.35





Microphone (XLR) Connectors







Part No.	Cross Ref. No.	Description	1	10
319011CK	250-710	3-pin male microphone, metal	\$2.35	\$2.17
319003CK	250-720	3-pin female microphone, metal	2.29	2.20
319046CK	250-700	3-pin male microphone, metal, panel mount	3.25	2.79
319038CK	250-705	3-pin female microphone, metal, panel mount	4.15	3.39





Professional Microphone (XLR) Cables and Adapters



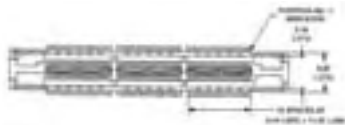





Part No.	Cross Ref. No.	Description	1	10
305251CK	251-310	3-pin female to female gender changer	\$7.49	\$6.99
305200CK	251-320	3-pin male to male gender changer	7.49	6.99
305285CK	251-330	1/4" jack to 3-pin female XLR adapter	8.95	7.95
305277CK	251-340	1/4" jack to 3-pin male XLR adapter	7.95	7.15
305293CK	255-290	1/4" jack to 3-pin XLR female cable, 20'	10.39	9.85
307694CK	255-293	1/4" jack to 3-pin XLR female cable, 60'	20.95	19.85

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

AMP MICTOR® Receptacles



- Level III board-to-board connector
- High density and controlled impedance
- Redundant contact design

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMICTOR

AMP Z-Pack Connectors



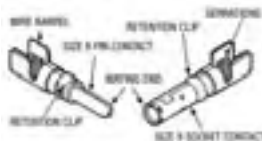
- 55-125 contacts
- Right angle female connectors
- Standard and reduced crosstalk versions
- Glass filled polyester housing

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Z-Pack Connector Offering at www.Jameco.com/Prod/AMPZPack

AMP Multimate Contacts

- "G" series modular connectors
- Contact size: 16
- Pin diameter: 0.062"
- Test current: 13A
- Copper alloy material



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMultimate

Molex MX150L Sealed Connectors

The MX150L™ sealed connector system is designed to meet the needs for a rugged, environmentally sealed connector system supporting both low-level signal and power applications.

- Single and Dual Row
- 2 to 16 Circuits
- Pre-tin or Select Gold Plating
- 14 to 22 AWG
- Terminal Position Assurance
- 18.0 A Max

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See Our Molex MX150L Series Offering at www.Jameco.com/Prod/MolexMX150L

AMP AMPLIMITE™ D-Sub Connectors

Subminiature HD-20

- Right-angle and straight posted connectors
- Straight exit RFI/EMI shield for jacketed cables



Subminiature HD-22

- Right-angle posted connector
- Brass pins, phosphor bronze sockets

HDE-20 IDC Connectors

- Steel, tin-plated shell

HDF-20 for Flat Ribbon Cable

- Low profile metal plugs and receptacles
- Low profile all-plastic for round conductor cable

Input/Output Connectors

- Low profile plugs and receptacles for flat ribbon cable
- Steel, tin-plated shell

HDP-20 Connectors

- Crimp snap-in contact connectors
- Shielding hardware enclosure kits
- Ferrules for shielding hardware enclosure kits

HDP-22 Snap-In Contact Connectors

- Precision formed plugs and receptacles

Microminiature Connectors

- .050" series board mount connectors

Cable Clamps Shielded & Unshielded

- Straight clam shell with 45° exit
- All-plastic for jacketed cables
- Straight 90° exit box and lid
- Clamp kits with grommets

Connector Hardware

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMPLIMITE D-Sub Connector Offering at www.Jameco.com/Prod/AMPLIMITE

AMP Connector & Wire Tools

Insertion and Extraction Tools

Crimpers

T-Handles

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Our AMP Hand Tool Offering at www.Jameco.com/Prod/AMPTools

Jameco's Got the Docs

We offer free technical documents for most of the products we carry.

Find them easily on the product specification pages at www.Jameco.com

Cinch D-Sub Connectors

DxKL Series

- Metal shell provides grounding and shielding capability
- Insulation: glass filled polyester
- Right angle or vertical PCB



DxU Series

- Metal shell
- Crimp & poke
- Insulation: glass filled nylon
- Right angle or vertical PCB

Tx Series

- Metal shell
- All plastic Solder cup or IDC
- Insulation: glass filled polyester
- Contact material: Phosphor bronze

Basic D Series

- Metal shell
- Solder cup, vertical PCB or wire wrap
- Insulation: glass filled polyester

M24308 Series MIL-C-24308

- Class G
- Metal shell
- Solder cup, vertical PCB or wire wrap
- Insulation: glass filled Diallyl phthalate
- Contact material: Phosphor bronze and brass

SDH Series Super D Backshells

- Simple, fast, economical and reliable way for mating connectors from cable to cable or cable to panel
- Straight or right angle

DxH Series 2-Piece Backshells

- Available in plastic, metallized plastic or diecast zinc
- Fits standard D-sub plugs and sockets

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Cinch D-Sub Connector Series Offering at www.Jameco.com/Prod/CinchDSub

AMP CPC Circular Plastic Connector

Series 1, 2 & 3

- For cable or panel mount
- Square flange and free hanging
- Power contact



Signal Contacts

- Crimp contacts
- Insulation support

Power Contacts

- Type XII
- Precision formed

Connector Accessories

- Flexible cable boot and internal grip
- Keying plugs
- Cable clamps
- Sealing caps

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Circular Plastic Connector Offering at www.Jameco.com/Prod/AMPCircular



Series 44 Circular Connector Tools

Part No.	Product No.	Description	1	10	100
567568CK	356-258▲	Insertion tool	\$41.05	\$38.97	\$37.02
567576CK	356-259▲	Pin extractor	24.69	23.46	22.29
567592CK	356-260▲	Socket extractor	24.69	23.46	22.29

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

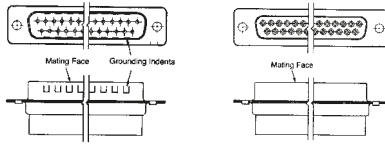
AMP

D-Subminiature Connectors

- Dielectric withstanding voltage: 1000VAC (one minute)
- Nylon, flame retardant, 94V-0 rated, glass filled
- Low-cost, high-performance, precision formed crimp contacts
- Standard mounting method with 0.120" diameter mounting holes
- Insulation resistance: 5000MΩ
- UL/CSA recognized and certified

Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



Zinc-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222640CK	205204-1	9	Plug	\$.95	\$.86	\$.64
222658CK	205206-1	15	Plug	\$ 1.39	\$ 1.24	\$.92
222666CK	205208-1	25	Plug	\$ 1.05	\$.92	\$.82
222674CK	205210-1	37	Plug	\$ 1.69	\$ 1.49	\$ 1.10
222682CK	205212-1	50	Plug	\$ 2.09	\$ 1.79	\$ 1.69
222691CK	205203-1	9	Receptacle	\$ 1.10	\$.99	\$.77
222703CK	205205-1	15	Receptacle	\$ 1.25	\$ 1.10	\$.82
222711CK	205207-1	25	Receptacle	\$ 1.05	\$.95	\$.71
222720CK	205209-1	37	Receptacle	\$ 1.69	\$ 1.49	\$ 1.10
222738CK	205211-1	50	Receptacle	\$ 2.09	\$ 1.79	\$ 1.69

Tin-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222754CK	205204-3	9	Plug	\$ 1.29	\$ 1.15	\$.85
222762CK	205206-2	15	Plug	\$ 1.49	\$ 1.29	\$.95
222771CK	207464-1	25	Plug	\$.94	\$.80	\$.61
222789CK	205210-2	37	Plug	\$ 1.69	\$ 1.49	\$ 1.10
222797CK	205204-4	9	Plug*	\$.83	\$.75	\$.57
222800CK	205206-3	15	Plug*	\$.99	\$.89	\$.65
222818CK	207464-2	25	Plug*	\$.88	\$.78	\$.58
222826CK	205210-3	37	Plug*	\$ 1.69	\$ 1.49	\$ 1.12
222834CK	205212-3	50	Plug*	\$ 1.79	\$ 1.59	\$ 1.19
222842CK	205203-3	9	Receptacle	\$.69	\$.59	\$.52
222914CK	205205-2	15	Receptacle	\$.88	\$.78	\$.58
222922CK	207463-1	25	Receptacle	\$.99	\$.89	\$.68
222931CK	205209-2	37	Receptacle	\$ 1.19	\$ 1.05	\$.78
222949CK	205211-2	50	Receptacle	\$ 2.09	\$ 1.79	\$ 1.63

* With grounding indents

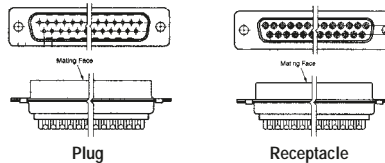
D-Sub Pin Insertion/ Extraction Tools

19094CK/223335CK: Plastic body; metal tips
223327CK: Handle with .050" hex wrench & exchangeable tips

Part No.	Description	1	10	100
19094CK	Red/white plastic body	\$ 2.79	\$ 2.49	\$ 2.15
223335CK	AMP# 91067-2	\$ 4.99	\$ 4.49	\$ 4.25
223327CK	AMP# 91285-1	\$ 19.99	\$ 18.99	\$ 17.99

Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solder wicking contact design



Zinc-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222957CK	747904-4	9	Plug	\$ 1.89	\$ 1.59	\$ 1.32
222965CK	747908-4	15	Plug	\$ 2.65	\$ 2.19	\$ 1.75
222973CK	747912-4	25	Plug	\$ 3.69	\$ 3.10	\$ 2.49
222981CK	747916-4	37	Plug	\$ 5.45	\$ 4.56	\$ 3.79
223036CK	747905-4	9	Receptacle	\$ 2.65	\$ 2.23	\$ 1.76
223044CK	747913-4	25	Receptacle	\$ 4.75	\$ 3.99	\$ 3.19

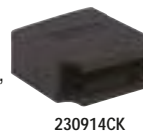
Tin-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222990CK	747904-2	9	Plug	\$ 1.69	\$ 1.55	\$ 1.15
223001CK	747908-2	15	Plug	\$ 2.79	\$ 2.49	\$ 1.85
223010CK	747912-2	25	Plug	\$ 3.29	\$ 2.95	\$ 2.19
223028CK	747916-2	37	Plug	\$ 5.29	\$ 4.29	\$ 3.49
223052CK	747905-2	9	Receptacle	\$ 2.35	\$ 2.09	\$ 1.55
223061CK	747909-2	15	Receptacle	\$ 3.45	\$ 2.99	\$ 2.19
223079CK	747913-2	25	Receptacle	\$ 4.09	\$ 3.69	\$ 2.72
223087CK	747917-2	37	Receptacle	\$ 6.65	\$ 5.69	\$ 4.19

AMP Plastic Hoods for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
- Screw plating: zinc

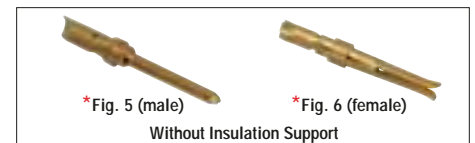
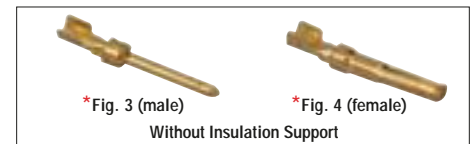


Part No.	Product No.	Positions	1	10	100
230893CK	205729-1	9	\$ 2.25	\$ 1.85	\$ 1.46
230906CK	205730-1	15	\$ 2.35	\$ 2.10	\$ 1.85
230914CK	205718-1	25	\$ 2.05	\$ 1.69	\$ 1.32
230922CK	205731-1	37	\$ 2.99	\$ 2.63	\$ 2.29
230931CK	205732-1	50	\$ 3.19	\$ 2.65	\$ 2.19

AMP

D-Sub Contacts

- Pin material: brass;
- socket material: phosphor bronze
- Contact plating
- *A: Select – gold flash over nickel on entire contact, with additional gold (0.000030") on mating end;
- *B: Duplex – gold (0.000030") on mating end, tin-lead on termination end, with entire contact nickel underplated;
- *C: gold flash over nickel on entire contact;
- *D: gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
- For use with AMP D-sub connectors (see left)
- Minimum order 10 pieces



Male Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223095CK	1-66507-0	1C	28-24	\$.24	\$.17	\$.12
223124CK	66682-4	1A	28-24	\$.22	\$.16	\$.14
223108CK	66507-9	1A	28-24	\$.18	\$.12	\$.09
223132CK	745254-7	1C	26-22	\$.25	\$.18	\$.128
223141CK	745254-6	1A	26-22	\$.25	\$.18	\$.13
223159CK	1-745254-6	1B	26-22	\$.25	\$.18	\$.13
223167CK	1-66506-0	1C	24-20	\$.16	\$.15	\$.12
223175CK	205202-7	3C	24-20	\$.24	\$.17	\$.14
223183CK	5-66506-9	1D	24-20	\$.21	\$.15	\$.13
223191CK	66506-9	1A	24-20	\$.16	\$.15	\$.10
223204CK	5-66506-7	1B	24-20	\$.24	\$.17	\$.12
223212CK	745229-4	3A	22-18	\$.26	\$.24	\$.19

Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221CK	1-66505-0	2C	28-24	\$.18	\$.12	\$.09
223239CK	66683-4	2A	28-24	\$.16	\$.126	\$.102
223247CK	745253-6	2A	26-22	\$.27	\$.20	\$.14
223255CK	1-66504-0	2C	24-20	\$.17	\$.15	\$.11
223263CK	205201-7	4C	24-20	\$.26	\$.214	\$.16
223271CK	5-66504-7	2D	24-20	\$.16	\$.12	\$.10
223280CK	205201-5	4A	24-20	\$.43	\$.399	\$.371
223298CK	66504-9	2A	24-20	\$.17	\$.15	\$.13
223301CK	6-66504-0	2B	24-20	\$.26	\$.214	\$.16

Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982CK	66570-3	5A	28-24	\$.22	\$.12	\$.11

Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319CK	66569-3	6A	18 (max.)	\$.225	\$.18	\$.162

D-Sub Connector Crimping Tools

See page 281.

JAMECO ValuePro

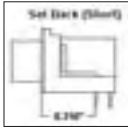
D-Subminiature Connectors

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)

- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

JAMECO ValuePro

Right Angle PC Mount



Metal .318" Set Back

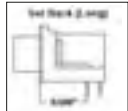
- Short style
- Lead length: .138"
- Lead spacing: .115"
- Current rating: 1A



15149CK

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100	500
104942CK	DB9P318	9	M	\$.55	\$.50	\$.45	\$.38
104951CK	DB9S318	9	F	\$.60	\$.55	\$.49	\$.45
71124CK	DA15P318	15	M	\$.69	\$.59	\$.55	\$.49
77956CK	DA15S318	15	F	\$.79	\$.69	\$.65	\$.45
168743CK	HDDB15S318	15*	M	\$.69	\$.62	\$.56	\$.51
71466CK	HDDB15S318	15*	F	\$.59	\$.53	\$.48	\$.39
15149CK	DB25P318	25	M	\$.79	\$.65	\$.55	\$.45
15181CK	DB25S318	25	F	\$.89	\$.79	\$.72	\$.65
265439CK	DSUB-25F	25	F	\$.85	\$.73	\$.62	\$.48
71706CK	DC37P318	37	M	\$.99	\$.89	\$.80	\$.66
78182CK	DC37S318	37	F	1.15	1.03	\$.86	\$.61

* High Density



Metal .590" Set Back

- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Long style



104977CK

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
104969CK	DB9P590	9	M	\$.99	\$.83	\$.72
104977CK	DB9S590	9	F	\$.89	\$.79	\$.75
104993CK	DA15S590	15	F	1.05	\$.91	\$.63
105005CK	DB25P590	25	M	\$.99	\$.89	\$.79
105013CK	DB25S590	25	F	1.25	1.12	\$.99

Other Manufacturers — Great Deals

189624CK	DB25P590†	25	M	\$.29	\$.26	\$.24
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† Without board tabs

JAMECO ValuePro

IDC Ribbon Cable

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temp range: -55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see mfr. cross ref. no.)



12431CK

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
109225CK	MDB9P	9	M	\$1.39	\$1.29	\$1.13
12503CK	CDB9P	9	M	2.49	1.79	1.59
109217CK	MDB9S	9	F	1.55	1.23	1.08
12520CK	CDB9S	9	F	2.59	2.35	2.09
117381CK	MDA15P	15	M	1.65	1.32	\$.73
12298CK	CDA15P	15	M	1.65	1.32	\$.79
116011CK	MDA15S	15	F	1.55	1.25	\$.85
12319CK	CDA15S	15	F	1.79	1.43	\$.66
115983CK	MDB25P	25	M	2.05	1.83	1.54
12335CK	CDB25P	25	M	1.89	1.69	1.29
115975CK	MDB25S	25	F	2.05	1.83	1.54
12431CK	CDB25S	25	F	1.95	1.79	1.39
115991CK	MDC37P	37	M	2.39	2.15	1.55
12466CK	CDC37P	37	M	3.09	2.79	2.49
116003CK	MDC37S	37	F	3.25	2.94	2.65
12482CK	CDC37S	37	F	3.49	2.99	2.25

† Requires flat cable w/.0625" centers

JAMECO ValuePro

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins
- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use 99442CK, pg 281 to crimp 43377CK, 43369CK



180890CK



38771CK



43369CK



19094CK

Part No.	Description	1	10	100	1000
73189CK	DB9 M housing	\$.49	\$.39	\$.31	\$.19
73197CK	DB9 F housing	\$.49	\$.39	\$.31	\$.19
73200CK	DA15 M housing	\$.59	\$.53	\$.48	\$.43
73218CK	DA15 F housing	\$.62	\$.56	\$.50	\$.44
180881CK	HDDB15 M housing	* 1.09	\$.98	\$.78	\$.58
180890CK	HDDB15 F housing	* .89	\$.79	\$.72	\$.65
38789CK	DB25 M housing	\$.56	\$.44	\$.36	\$.21
38771CK	DB25 F housing	\$.55	\$.44	\$.31	\$.21
43377CK	M crimp pin	*	\$.10	\$.09	\$.08
43369CK	F crimp pin	*	\$.08	\$.07	\$.06
185421CK	M crimp pin (180881CK)	* .055	\$.045	\$.04	
185412CK	F crimp pin (180890CK)	* .055	\$.05	\$.04	
19094CK	Insert/extract. tool for above pins (HT101)	2.79	2.49	2.15	2.04

* High Density

JAMECO ValuePro

Metal Solder-Cup

- Compatible with 24 AWG communications pg 103, and 22 AWG solid cable, pg 102



203799CK

Part No.	Contacts	Gender	1	10	100	1000
15747CK	9	M	\$.56	\$.44	\$.36	\$.24
15771CK	9	F	\$.59	\$.49	\$.44	\$.31
15077CK	15HD	M	\$.69	\$.59	\$.49	\$.31
164822CK	15HD	F	\$.79	\$.69	\$.59	\$.39
15034CK	15	M	\$.55	\$.49	\$.42	\$.29
15051CK	15	F	\$.59	\$.49	\$.39	\$.24
15114CK	25	M	\$.99	\$.89	\$.79	\$.71
15157CK	25	F	\$.89	\$.80	\$.69	\$.61
203799CK	26HD	M	\$.65	\$.58	\$.52	\$.49
203781CK	26HD	F	\$.75	\$.68	\$.61	\$.58
15472CK	37	M	\$.99	\$.85	\$.79	\$.49
15499CK	37	F	1.19	1.05	\$.85	\$.49
15675CK	50	M	1.65	1.49	1.35	\$.99
15691CK	50	F	1.79	1.39	1.32	1.19

Other Manufacturers — Great Deals

482687CK	25	M	\$.89	\$.80	\$.71	\$.45
482708CK	25	F	\$.80	\$.72	\$.62	\$.55
639630CK	37	M	1.07	\$.95	\$.77	\$.44
482724CK	37	F	1.05	\$.95	\$.80	\$.39
482732CK	50	M	1.49	1.34	1.21	\$.89
482741CK	50	F	1.65	1.25	1.19	1.07

* High Density

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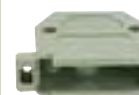
Metal Straight PC Mount

- Non-removable contacts
- Current rating: 5A
- Operating temp.: -65° to +250°F
- 125 Vrms

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111691CK	DB9PPCB	9	M	\$.55	\$.45	\$.32
15780CK	DB9SPCB	9	F	\$.55	\$.45	\$.32
176760CK	DA15PPCB	15	M	\$.49	\$.44	\$.39
176751CK	DA15SPCB	15	F	\$.49	\$.42	\$.31
15122CK	DB25PPCB	25	M	\$.65	\$.59	\$.52
15165CK	DB25SPCB	25	F	\$.74	\$.67	\$.39
180021CK	DC37SPCB	37	F	\$.85	\$.72	\$.54

JAMECO ValuePro

D-Sub Connector Hoods



15085CK Plastic



25620CK Metallized

- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: plastic hood with strain relief (gray)
 MD Series: metal coated plastic hood w/ strain relief
 MH Series: die-cast metal hood with strain relief

Part No.	Cross Ref. No.	Connector	1	10	100	1000
15721CK	DB9H	9-pin	\$.49	\$.45	\$.39	\$.35
25620CK	MDB9H	9-pin	\$.59	\$.49	\$.39	\$.35
147740CK	MHDB9	9-pin	1.45	1.29	1.15	\$.99
15018CK	DA15H	15-pin	\$.49	\$.45	\$.40	\$.35
25566CK	MDA15H	15-pin	\$.56	\$.44	\$.36	\$.31
15085CK	DB25H	25-pin	\$.45	\$.39	\$.35	\$.32
25603CK	MDB25H	25-pin	\$.59	\$.49	\$.42	\$.35
15106CK	MHDB25	25-pin	1.39	1.19	1.09	\$.92
15456CK	DC37H	37-pin	\$.59	\$.55	\$.45	\$.39
25611CK	MDC37H	37-pin	\$.75	\$.69	\$.59	\$.53
15659CK	DD50H	50-pin	\$.99	\$.85	\$.75	\$.65

JAMECO ValuePro

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.

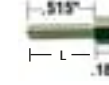


Shown assembled

Part No.	Description	1	10	100	500
34091CK	25-pin, plastic dual	\$.95	\$.85	\$.75	\$.59

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs



108986CK



102795CK



125014CK

* Minimum order 10 pieces

Part No.	Description	1	10	100	1000
196293CK	.252"L jack screw	* \$.21	\$.12	\$.08	
169931CK	.275"L jack screw	* .15	\$.13	\$.11	
172603CK	.315"L jack screw	* .121	\$.101	\$.076	
102816CK	.435"L jack screw	.49	\$.46	\$.41	\$.37
108986CK	.515"L jack screw	.55	\$.50	\$.45	\$.40
125014CK	4-40 x 1.65"L plastic beige thumbscrew	.39	\$.35	\$.32	\$.25
175636CK	.187"L standoff	* .21	\$.15	\$.10	
102795CK	.236"L (6mm) stdf	* .21	\$.15	\$.10	

4-40 Screw Sets



102808CK



16547CK

102808CK: 4-40 screw (.30"L) and retainer set
 16547CK: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

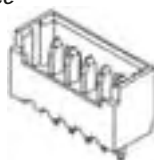
* Minimum order 10 pieces

Part No.	Description	10	100	1000
102808CK	Screw/retainer set	\$.39	\$.35	\$.30
16547CK	Screw/nut set	.31	\$.25	\$.17

.049" (1.25mm) Shrouded Vertical Headers

53047 Series Value Equivalence

- Wire to board • Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyamide (Nylon) 6/6
- UL94V-0 rated • Contact material: phosphor bronze
- Contact and tail plating: tin



420363CK

Part No.	Cross Ref. No.	Circuits	1	10	100
420339CK	53047-0210	2 ...	\$.33	\$.268	\$.192
420347CK	53047-0310	3 .....	.37	.325	.235
420355CK	53047-0410	4 .....	.47	.388	.28
420363CK	53047-0510	5 .....	.57	.474	.336
420371CK	53047-0610	6 .....	.65	.511	.369
420380CK	53047-0710	7 .....	.67	.60	.43
420398CK	53047-0810	8 .....	.72	.63	.456
420401CK	53047-0910	9 .....	.80	.70	.501
420419CK	53047-1010	10 .....	.88	.76	.547

.049" (1.25mm) Shrouded Right Angle Headers

53048 Series Value Equivalence

- Wire to Board
- Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyamide (Nylon) 6/6
- UL94V-0 rated • Contact material: phosphor bronze
- Contact plating: tin • Pin size: blade



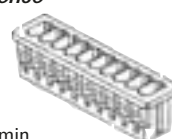
420460CK

Part No.	Cross Ref. No.	Circuits	1	10	100
420427CK	53048-0210	2 ...	\$.35	\$.314	\$.216
420435CK	53048-0310	3 .....	.43	.383	.264
420443CK	53048-0410	4 .....	.50	.433	.313
420451CK	53048-0510	5 .....	.59	.545	.392
420460CK	53048-0610	6 .....	.64	.556	.403
420478CK	53048-0710	7 .....	.63	.54	.391
420486CK	53048-0810	8 .....	.79	.68	.493
420494CK	53048-0910	9 .....	.88	.75	.539
420507CK	53048-1010	10 .....	.98	.94	.63

.049" (1.25mm) Pitch Housing

51021 Series Value Equivalence

- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.



420321CK

Part No.	Cross Ref. No.	Circuits	1	10	100
420241CK	51021-0200	2	\$.23	\$.178	\$.123
420259CK	51021-0300	3 .....	.23	.217	.157
420267CK	51021-0400	4 .....	.25	.233	.168
420275CK	51021-0500	5 .....	.29	.26	.216
420283CK	51021-0600	6 .....	.32	.268	.21
420291CK	51021-0700	7 .....	.36	.308	.244
420304CK	51021-0800	8 .....	.39	.34	.254
420312CK	51021-0900	9 .....	.42	.363	.296
420321CK	51021-1000	10 .....	.45	.387	.304

.079" (2.0mm) Pitch Milli-Grid Right Angle Headers

87760 Series Value Equivalence

- Current rating: 2A
- Voltage rating: 125V
- Withstanding voltage: 500VAC
- Contact Resistance: 25mΩ max.
- Insulation resistance: 1000MΩ
- Housing material: PCT Polyester, glass filled
- UL94V-0 rated • Contact: Phosphor bronze
- Contact plating: 0.38μm (15μ") gold selective
- Plating tail: 1.9μm (75μ") tin • Under plating: nickel
- Pin size: 0.50mm (0.20") square



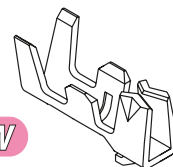
378804CK

Part No.	Cross Ref. No.	Circuits	1	10	100
378775CK	87760-0616	6 ...	\$.46	\$.435	\$.343
378783CK	87760-0816	8 .....	.49	.418	.336
378804CK	87760-1216	12 .....	.72	.61	.496
378812CK	87760-1416	14 .....	.76	.64	.52
378821CK	87760-1616	16 ..	1.06	.896	.712
378839CK	87760-1816	18 .....	.91	.79	.62
378847CK	87760-2016	20 .....	.91	.79	.62

.049" (1.25mm) Pitch Crimp Terminals

For 51021 Series Value Equivalence

- Female crimp pins
- 668457CK: 26-28AWG;
- 668473CK: 28-32AWG
- Contact material: phosphor bronze
- Pre-plated
- Plating contact: 0.9μm (35μ") tin



NEW

Part No.	Product No.	1	10	100	500
668457CK	50079-8100	....	\$ .20	\$.113	\$.107
668473CK	50058-810020	.113	.107

Over 99% of Our Catalog Products Are In Stock

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.079" (2.0mm) Pitch Milli-Grid Housing

51110 Series Value Equivalence

- Housing: polyester, glass filled
- Temperature: -55°C to +105°C
- Vertical wire entry angle
- Dual row



377991CK

w/o Polarizing Key

Part No.	Cross Ref. No.	Circuits	1	10	100
377975CK	51110-0450	4 ...	\$.25	\$.158	\$.128
377983CK	51110-0650	6 .....	.26	.166	.16
377991CK	51110-0850	8 .....	.27	.173	.143
378003CK	51110-1050	10 .....	.29	.19	.152
378011CK	51110-1250	12 .....	.31	.197	.184
378020CK	51110-1450	14 .....	.36	.284	.256
378038CK	51110-1650	16 .....	.44	.276	.224
378046CK	51110-1850	18 .....	.47	.30	.24
378054CK	51110-2050	20 .....	.52	.331	.272
378062CK	51110-2250	22 .....	.68	.61	.408
378071CK	51110-2450	24 .....	.63	.402	.32
378089CK	51110-2650	26 .....	.68	.426	.40
378097CK	51110-2850	28 .....	.75	.466	.376
378100CK	51110-3050	30 .....	.79	.497	.40

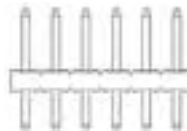
w/ Polarizing Key

Part No.	Cross Ref. No.	Circuits	1	10	100
378142CK	51110-0851	8	\$.28	\$.173	\$.144
378151CK	51110-1051	10	.30	.189	.152
378169CK	51110-1251	12	.31	.197	.16
378177CK	51110-1451	14	.37	.229	.184
378185CK	51110-0851	16	.44	.276	.224
378193CK	51110-1051	18	.57	.505	.344
378206CK	51110-0851	20	.63	.55	.376
378214CK	51110-0851	22	.68	.61	.408
378222CK	51110-0851	24	.74	.66	.44
378231CK	51110-0851	26	.75	.71	.522
378249CK	51110-0851	28	.77	.466	.376
378257CK	51110-0851	30	.90	.529	.352

.079" (2.0mm) Dual Row Vertical Headers

87758 Series Value Equivalence

- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.



378581CK

Part No.	Cross Ref. No.	Circuits	1	10	100
378521CK	87758-0416	4 ...	\$.35	\$.292	\$.24
378530CK	87758-0616	6 .....	.67	.57	.418
378548CK	87758-0816	8 .....	.68	.57	.464
378556CK	87758-1016	10 .....	.58	.489	.40
378564CK	87758-1216	12 .....	.72	.61	.496
378572CK	87758-1416	14 .....	.75	.63	.512
378581CK	87758-1616	16 .....	.78	.66	.528
378599CK	87758-1816	18 .....	.89	.74	.60
378601CK	87758-2016	20 ...	1.15	.96	.78
378610CK	87758-2216	22 ..	1.16	.98	.79
378628CK	87758-2416	24 ...	1.19	1.00	.81
378636CK	87758-2616	26 ...	1.39	1.18	.96
378652CK	87758-3016	30 ...	1.49	1.26	1.02
378708CK	87758-4016	40 ...	1.89	1.60	1.30
378724CK	87758-4416	44 ...	2.09	1.76	1.42
378759CK	87758-5016	50 ...	2.09	1.80	1.46

Milli-Grid™ Crimp Terminal

For 51110 Series Value Equivalence

- Female crimp pin
- Lead free
- 24-30AWG
- Contact material: phosphor bronze
- Plating contact: 0.38μm (15μ") gold
- Under plating: nickel

NEW



Part No.	Product No.	1	10	100	500
668465CK	50394-8100	.....	\$ .20	\$.103	\$.095










.062" (1.57mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C

Plugs











Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224477CK	03-06-2011 	1	\$.29	\$.16	\$.13
224485CK	03-06-2023 	2	.30	.18	.15
224493CK	03-06-2032 	3	.31	.19	.16
224506CK	03-06-2042 	4	.39	.27	.24
224514CK	03-06-2044 	4	.39	.27	.24
230244CK	03-06-2055 	5	.47	.26	.24
224522CK	03-06-2061 	6	.45	.28	.25
224531CK	03-06-2092 	9	.49	.27	.24
224549CK	03-06-2122 	12	.52	.30	.25

*In-line **Grid

With Mounting Ears










Part No.	Product No.	Circuits	1	10	100
229948CK	03-06-2024 	2	\$.30	\$.17	\$.14
229964CK	03-06-2033 	3	.35	.18	.15
229981CK	03-06-2041 	4	.47	.27	.24
230009CK	03-06-2043 	4	.47	.26	.24
230025CK	03-06-2054 	5	.47	.26	.24
230041CK	03-06-2062 	6	.47	.26	.24
230068CK	03-06-2091 	9	.47	.26	.24
230084CK	03-06-2121 	12	.55	.29	.26

*In-line **Grid

Receptacles











Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224397CK	03-06-1011 	1	\$.29	\$.16	\$.13
224400CK	03-06-1023 	2	.30	.18	.15
224418CK	03-06-1032 	3	.31	.19	.16
224426CK	03-06-1042 	4	.39	.27	.24
224434CK	03-06-1044 	4	.39	.27	.24
230252CK	03-06-1056 	5	.55	.35	.31
224442CK	03-06-1062 	6	.45	.28	.25
224451CK	03-06-1092 	9	.49	.27	.24
224469CK	03-06-1122 	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229956CK	03-06-1022 	2	\$.31	\$.16	\$.14
229972CK	03-06-1038 	3	.32	.17	.15
229999CK	03-06-1041 	4	.49	.26	.23
230017CK	03-06-1043 	4	.49	.26	.23
230033CK	03-06-1055 	5	.59	.49	.36
230050CK	03-06-1061 	6	.47	.26	.23
230076CK	03-06-1091 	9	.47	.26	.23
230092CK	03-06-1121 	12	.49	.33	.30

*In-line **Grid

To Find Additional Products In This Series,
 Visit www.Jameco.com/Prod/Molex062












.093" (2.36mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 12A per circuit
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C

Plugs











Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224063CK	03-09-2011 	1	\$.29	\$.18	\$.12
224071CK	03-09-2022 	2	.30	.25	.18
224080CK	03-09-2032 	3	.41	.32	.21
224098CK	03-09-2042 	4	.45	.22	.20
229825CK	03-09-2049 	4	.45	.34	.26
230261CK	03-09-2057 	5	.55	.29	.26
224101CK	03-09-2062 	6	.49	.39	.29
224119CK	03-09-2092 	9	.55	.35	.30
224127CK	03-09-2121 	12	.69	.59	.39
462432CK	03-09-2151 	15	*	.59	.485
462441CK	03-09-2158 	15	*	.58	.54

*In-line **Grid

With Mounting Ears










Part No.	Product No.	Circuits	1	10	100
230105CK	03-09-2021 	2	\$.35	\$.18	\$.16
230121CK	03-09-2031 	3	.42	.22	.20
230148CK	03-09-2041 	4	.42	.22	.20
230164CK	03-09-2040 	4	.64	.59	.35
230181CK	03-09-2061 	6	.35	.33	.25
230201CK	03-09-2091 	9	.65	.35	.31
230228CK	03-09-2122 	12	.71	.38	.35
462459CK	03-09-2159 	15	*	.72	.62

*In-line **Grid

Receptacles










Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224135CK	03-09-1011 	1	\$.29	\$.09	\$.08
224143CK	03-09-1022 	2	.30	.25	.18
224151CK	03-09-1032 	3	.44	.25	.16
224160CK	03-09-1042 	4	.46	.25	.22
229817CK	03-09-1049 	4	.46	.33	.25
230279CK	03-09-1057 	5	.59	.49	.32
224178CK	03-09-1064 	6	.49	.23	.20
224186CK	03-09-1094 	9	.69	.59	.39
224194CK	03-09-1126 	12	.75	.49	.39

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113CK	03-09-1027 	2	\$.35	\$.17	\$.15
230130CK	03-09-1081 	3	.48	.24	.22
230156CK	03-09-1041 	4	.40	.23	.17
230172CK	03-09-1040 	4	.48	.25	.23
230199CK	03-09-1061 	6	.49	.26	.25
230210CK	03-09-1091 	9	.62	.33	.30
230236CK	03-09-1125 	12	.62	.33	.30

*In-line **Grid

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Products In This Series,
 Visit www.Jameco.com/Prod/Molex093







.062" (1.57mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating
- Minimum order 10 pieces



Crimp-Type Contacts



Part No.	Product No.	Gender	AWG	10	100	1000
224565CK	02-06-2103 	M	18-24	\$.18	\$.057	\$.038
224581CK	02-06-2132 	M	24-30	.18	.057	.038
224557CK	02-06-1103 	F	18-24	.18	.057	.038
224573CK	02-06-1132 	F	24-30	.18	.057	.038

Solder-Tail Contacts



Part No.	Product No.	Gender	10	100	1000
227379CK	02-06-8103 	Male	\$.18	\$.11	\$.066
227387CK	02-06-7103 	Female	.18	.11	.066







.093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Tin plating
- Temperature range: -40°C to +105°C
- Minimum order 10 pieces



Crimp-Type Contacts



Part No.	Product No.	Gender	AWG	10	100	1000
224207CK	02-09-2118 	M	18-22	\$.19	\$.06	\$.04
224223CK	02-09-2103 	M	14-20	.18	.059	.04
224215CK	02-09-1119 	F	18-22	.20	.07	.04
224231CK	02-09-1104 	F	14-20	.18	.059	.042

Solder-Tail Contacts



Part No.	Product No.	Gender	10	100	1000
224240CK	02-09-2133 	Male	\$.149	\$.129	\$.091
224258CK	02-09-1134 	Female	.20	.14	.09

To Find Additional Products In This Series,
 Visit www.Jameco.com/Prod/Molex093

Hand Crimp Tools

These tools are designed to crimp terminals, strip and cut wires, and cut bolts. For Molex crimp pin terminals with .062", .093" diameters and KK® series on page 123.



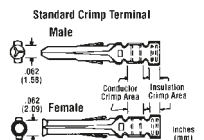
Part No.	Product No.	Length	Color	1	5
308030CK	W-HT-1919 	8.3"L	Red	\$.14.99	\$13.99
227491CK	W-HT-1921 	8.3"L	Yellow	14.99	13.99

Molex .062" Power Connector Kit

This assortment kit contains mating sets of housings and pins.

- Voltage: 250VAC • Current: 5A
- Temperature range: -40°C to +105°C

Includes: 3 ea. 2-pin plugs and 2-pin receptacles, 8 ea. male contacts and 8 ea. female contacts.



Part No.	Product No.	Description	1	10	50
142113CK	1625-2	Kit	\$5.69	\$5.15	\$4.59

Molex .093" Power Connector Kits

These assortment kits contain mating sets of housings and pins.

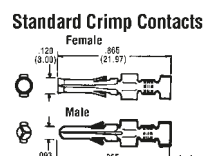
- Voltage: 250VAC
- Temperature range: -40°C to +105°C

142181CK: • 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A

142201CK: • 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A

142228CK: • 2 ea. 6-pin plugs & receptacles, 14 ea. female & male contacts • Current: 9A

Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire



Part No.	Product No.	Description	1	10	50
142181CK	1545	2-pin kit	\$4.95	\$4.49	\$3.95
142201CK	1490	4-pin kit	5.69	5.15	4.65
142228CK	1261	6-pin kit	5.25	4.75	3.95

MLX Series .084" (2.13mm) Power Connectors

The MLX family is an industry compatible line of plug and cap power connections. The MLX family is interchangeable, intermateable and inter mountable with industry standard products.

- Wire-to-Wire and Wire-to-Board
- Up to 13.5A, 600V
- Tin Plating or Gold Plating
- Crimp Termination
- 2 to 15 Circuits
- 14 to 20 AWG
- Through-hole

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete MLX Series Offering at
www.Jameco.com/Prod/MolexMLX084

Hand Crimp Tools for .062" and .093" Terminals

See page 121.

.084" (2.13mm) Pin and Socket Connectors

.084" Molex 42002 / 42021 / 42022 Series Value Equivalents

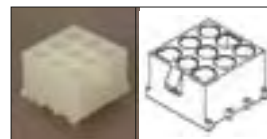
- Intermateable, interchangeable, and intermountable with industry-standard versions
- Positive locks
- Circuit ID grooves to reduce assembly errors
- Material: Nylon 94V-2, white
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)
- Fully isolated contacts
- Anti-stress positioning tabs to reduce breakage
- Operating temp: -55°C to +105°C
- Contact resistance: 3.5mΩ max.
- Plating: tin
- Voltage: 600V



379284CK
(Fig. 1)



379356CK
(Fig. 2)



379461CK
(Fig. 3)

Plugs (Fig. 1)

42021 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379241CK	50-84-1020	1 x 2	13.5	\$.20	\$.142	\$.120
379250CK	50-84-1030	1 x 3	13.5	.21	.158	.136
379268CK	50-84-1040	1 x 4	13.5	.25	.190	.160
379276CK	50-84-1060	2 x 3	11	... .27	.205	.176
379284CK	50-84-1090	3 x 3	11	... .28	.221	.192
379292CK	50-84-1120	3 x 4	11	... .34	.261	.224
379305CK	50-84-1120	3 x 5	11	... .37	.285	.256

* Grid layout is rows x columns

Receptacles (Fig. 2)

42022 Series Value Equivalents

- Mates with series 42021 plugs

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379313CK	50-84-2020	1 x 2	13.5	\$.20	\$.142	\$.120
379321CK	50-84-2030	1 x 3	13.5	.21	.158	.136
379330CK	50-84-2040	1 x 4	13.5	.25	.190	.160
379348CK	50-84-2060	2 x 3	11	... .27	.205	.176
379356CK	50-84-2090	3 x 3	11	... .28	.221	.192
379364CK	50-84-2120	3 x 4	11	... .34	.261	.224
379372CK	50-84-2150	3 x 5	11	... .37	.285	.256

* Grid layout is rows x columns

Vertical Male Headers (Fig. 3)

42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379381CK	10-84-4020	1 x 2	13.5	\$.51	\$.411	\$.36
379401CK	10-84-4030	1 x 3	13.5	.58	.458	.40
379428CK	10-84-4040	1 x 4	13.5	.60	.45	.384
379444CK	10-84-4060	2 x 3	11	.70	.687	.592
379461CK	10-84-4090	3 x 3	11	.72	.561	.52
379487CK	10-84-4120	3 x 4	11	.83	.68	.64
379508CK	10-84-4150	3 x 5	11	1.05	.758	.696

* Grid layout is rows x columns

Vertical Female Headers (Fig. 3)

42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379399CK	10-84-4022	1 x 2	13.5	\$.32	\$.269	\$.24
379410CK	10-84-4032	1 x 3	13.5	.25	.244	.208
379436CK	10-84-4042	1 x 4	13.5	.48	.395	.344
379452CK	10-84-4062	2 x 3	11	... .70	.553	.48
379479CK	10-84-4092	3 x 3	11	... .63	.593	.56
379495CK	10-84-4122	3 x 4	11	... .81	.687	.616
379516CK	10-84-4152	3 x 5	11	... .99	.727	.672

* Grid layout is rows x columns

Contacts

Type*:

- 1: Female
- 2: Male
- A: Brass
- B: Phosphor bronze
- C: Brass standard insertion
- D: Brass low insertion

- Minimum order 10 pieces

Part No.	Cross Ref. No.	AWG	Type*	10	100	500
401314CK	71T-D224-LP	12-14	1A	\$.075	\$.062	\$.054
401331CK	71T-D524-LP	12-14	1B	.070	.067	.064
379524CK	71T-S224-LP	16-20	1A	.075	.062	.054
379532CK	71T-S524-LP	16-20	1B	.070	.067	.064
401306CK	71T-S224-LP	18-22	1A	.075	.062	.054
401322CK	71T-S524-LP	18-22	1B	.07	.067	.064
401357CK	70T-D214-LP	12-14	2A	.073	.066	.051
401373CK	70T-D214-LP	12-14	2D	.073	.066	.051
379541CK	70T-S214-LP	16-20	2C	.073	.066	.051
398784CK	70T-S214-LP	16-20	2C	.073	.066	.051
401349CK	70T-S214-LP	18-22	2A	.073	.066	.051
401365CK	70T-S214-LP	18-22	2D	.073	.066	.051

† For 6-15 circuit connectors

Connector Extraction Tools



Part No.	Product No.	AWG	1	10
142156CK/142236CK	W-HT-2285	18-30	\$14.49	\$13.49
227467CK	W-HT-2023	18-30	11.99	10.99
142236CK	W-HT-2038	14-30	14.49	13.49
227395CK	W-HT-2054	14-30	11.99	10.99
236128CK	W-HT-1884	22-30	9.99	8.99
234940CK	11-03-0022	22-30	14.99	12.99

Extraction Tools for Crimp Pins

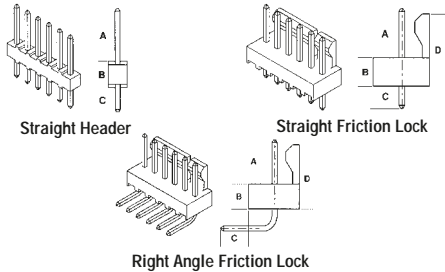
- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See pages 121 and 139 for crimp pins
- 131887CK: Male tool for 42729CK
- 131879CK: Female tool for 42649CK

Part No.	Product No.	1	10
131887CK	HT319C	\$10.95	\$9.86
131879CK	HT319B	11.29	9.03



KK® Series .100" (2.54mm) Male Headers

- Voltage: 250V • Current: 4.0A • Contact resistance: 20mΩ max. • Housing: nylon, UL94V-0
- Dielectric withstanding voltage: 1500V • Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square • Durability: tin – 25 cycles max.; gold – 100 cycles max.



Straight Headers (Tin)

- Dimensions: (A) .295"; (B) .130"; (C) .135"

* Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
232178CK	22-03-2021	2	..... \$ .20	\$.10	\$.09
232186CK	22-03-2031	3	..... .22	.16	.14
232194CK	22-03-2041	4	..... .23	.21	.19
232207CK	22-03-2051	5	..... .29	.26	.24
232215CK	22-03-2061	6	..... .34	.31	.27
232223CK	22-03-2081	8	..... .40	.37	.33
232231CK	22-03-2101	10	..... .46	.42	.37
232240CK	22-03-2121	12	..... .56	.51	.45

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266CK	22-23-2021	2	..... \$ .29	\$.23	\$.15
232274CK	22-23-2031	3	..... .35	.30	.19
232282CK	22-23-2041	4	..... .42	.36	.23
232291CK	22-23-2051	5	..... .49	.42	.27
232303CK	22-23-2061	6	..... .55	.48	.31
232311CK	22-23-2071	7	..... .63	.55	.36
232320CK	22-23-2081	8	..... .72	.63	.41
232338CK	22-23-2091	9	..... .76	.66	.37
232346CK	22-23-2101	10	..... .80	.70	.46
232354CK	22-23-2121	12	..... .95	.83	.55

Right Angle Friction Lock Headers (Tin)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437CK	22-05-3021	2	..... \$ .42	\$.36	\$.22
233445CK	22-05-3031	3	..... .56	.49	.30
233453CK	22-05-3041	4	..... .71	.61	.39
233461CK	22-05-3051	5	..... .77	.67	.43
233470CK	22-05-3061	6	..... .85	.74	.48
233488CK	22-05-3071	7	..... .99	.79	.56
233496CK	22-05-3081	8	..... 1.03	.83	.58
233509CK	22-05-3101	10	..... 1.08	.94	.61
233517CK	22-05-3121	12	..... 1.19	.99	.69

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584CK	22-11-2022	2	..... \$ .54	\$.46	\$.29
233592CK	22-11-2032	3	..... .85	.74	.47
233605CK	22-11-2042	4	..... .87	.76	.49
233613CK	22-11-2052	5	..... 1.22	1.06	.69
233621CK	22-11-2062	6	..... 1.34	1.17	.76
233630CK	22-11-2072	7	..... 1.55	1.36	.89
233648CK	22-11-2082	8	..... 1.65	1.42	.93
233656CK	22-11-2102	10	..... 2.05	1.77	1.16
233664CK	22-11-2122	12	..... 2.39	2.12	1.39

Right Angle Friction Lock Headers (Gold)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233672CK	22-12-2024	2	..... \$ .89	\$.77	\$.48
233681CK	22-12-2034	3	..... 1.15	.99	.63
233699CK	22-12-2044	4	..... 1.36	1.19	.76
233701CK	22-12-2054	5 1.49	1.31	.84
233710CK	22-12-2064	6 1.65	1.43	.92
233728CK	22-12-2084	8 1.85	1.51	1.05

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KK® Series .100" (2.54mm) Female Housing & Crimp Contacts

- Voltage: 250V
- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 50,000MΩ
- Housing Material:**
- Contact insertion force: 1.5 lbs. max.
- Contact retention to housing: 8 lbs. min.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C



Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798CK	22-01-3027	2	..... \$ .29	\$.17	\$.10
234801CK	22-01-3037	3	..... .29	.21	.13
234819CK	22-01-3047	4	..... .31	.27	.17
234827CK	22-01-3057	5	..... .36	.31	.20
234835CK	22-01-3067	6	..... .42	.36	.23
234843CK	22-01-3077	7	..... .47	.41	.26
234851CK	22-01-3087	8	..... .54	.47	.30
234860CK	22-01-3097	9	..... .58	.50	.32
234878CK	22-01-3107	10	..... .65	.55	.35
234886CK	22-01-3127	12	..... .76	.66	.42

Housing with Locking Ramp

Part No.	Product No.	Positions	1	10	100
234704CK	22-01-2027	2	..... \$ .29	\$.15	\$.09
234712CK	22-01-2037	3	..... .29	.20	.12
234721CK	22-01-2047	4	..... .29	.24	.15
234739CK	22-01-2057	5	..... .33	.28	.17
234747CK	22-01-2067	6	..... .36	.32	.20
234755CK	22-01-2087	8	..... .47	.41	.26
234763CK	22-01-2097	9	..... .51	.44	.28
234771CK	22-01-2107	10	..... .57	.49	.31
234780CK	22-01-2127	12	..... .67	.58	.37

Crimp Contacts

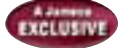
- Accommodates 22 to 30 AWG
- Material: brass or phosphor bronze
- Insulation range: 0.062" (1.58mm) diameter max.
- Prepackaged: order in increments of 10, 100 or 1000
- 234923CK: Brass with tin plating
- 234931CK: Brass with 15µ" select gold plating

Part No.	Product No.	10	100	1000
234923CK	08-50-0114	..... \$ .065	\$.048	\$.029
234931CK	08-55-0102	..... .22	.17	.11

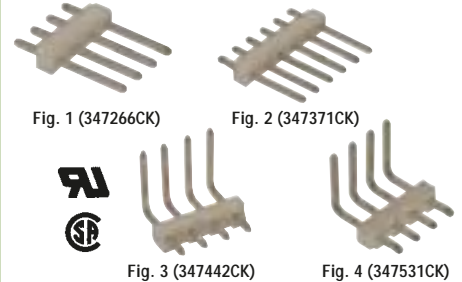


.100" (2.54mm) IDC Headers

- Housing: UL94V-0 rated, polyester, natural color



Narrow Flat Headers



- Posts: copper alloy, tin plated
- Base dimensions: 0.092"W x 0.1"H

Straight Post – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347240CK	644456-2	⊕	1 2	..... \$ .20	\$.136	\$.099
347258CK	644456-3	⊕	1 3	..... .21	.168	.123
347266CK	644456-4	⊕	1 4	..... .22	.209	.163
347274CK	644456-5	⊕	1 5	..... .28	.266	.204
347282CK	644456-6	⊕	1 6	..... .30	.246	.223
347291CK	644456-7	⊕	1 7	..... .30	.269	.192
347303CK	644456-8	⊕	1 8	..... .41	.328	.297
347311CK	644456-9	⊕	1 9	..... .45	.368	.334
347320CK	1-644456-0	⊕	1 10	..... .51	.409	.371

Straight Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347338CK	644695-2	⊕	2 2	..... \$ .20	\$.112	\$.109
347346CK	644695-3	⊕	2 3	..... .21	.12	.117
347354CK	644695-4	⊕	2 4	..... .22	.183	.179
347362CK	644695-5	⊕	2 5	..... .23	.22	.192
347371CK	644695-6	⊕	2 6	..... .25	.248	.245
347389CK	644695-7	⊕	2 7	..... .29	.288	.286
347397CK	644695-8	⊕	2 8	..... .33	.328	.326
347400CK	644695-9	⊕	2 9	..... .37	.368	.367
347418CK	1-644695-0	⊕	2 10	..... .41	.409	.408

Right Angle Post – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347426CK	644457-2	⊕	3 2	..... \$ .20	\$.116	\$.085
347434CK	644457-3	⊕	3 3	..... .21	.151	.111
347442CK	644457-4	⊕	3 4	..... .23	.229	.17
347451CK	644457-5	⊕	3 5	..... .20	.189	.176
347469CK	644457-6	⊕	3 6	..... .31	.30	.232
347477CK	644457-7	⊕	3 7	..... .99	.98	.748
347485CK	644457-8	⊕	3 8	..... .42	.40	.309
347493CK	644457-9	⊕	3 9	..... .48	.475	.348
347506CK	1-644457-0	⊕	3 10	..... .53	.528	.386

Right Angle Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347514CK	644694-2	⊕	4 2	..... \$ .20	\$.102	\$.081
347522CK	644694-3	⊕	4 3	..... .21	.125	.122
347531CK	644694-4	⊕	4 4	..... .22	.172	.171
347549CK	644694-5	⊕	4 5	..... .24	.238	.234
347557CK	644694-6	⊕	4 6	..... .26	.259	.255
347565CK	644694-7	⊕	4 7	..... .30	.299	.297
347573CK	644694-8	⊕	4 8	..... .34	.339	.216
347581CK	644694-9	⊕	4 9	..... .39	.388	.382
347590CK	1-644694-0	⊕	4 10	..... .43	.428	.425

- .100" (2.54mm)
IDC Headers (Continued)**
- Housing: UL94V-0 rated, polyester, natural color
 - Friction Lock Headers**
 - Posts: copper alloy, gold over nickel plated



Straight Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348058CK	641215-2	1	2	.....	\$.37	\$.304 \$.276
348066CK	641215-3	1	3	.....	.42	.387 .368
348074CK	641215-4	1	4	.....	.52	.474 .456
348082CK	641215-5	1	5	.....	.91	.74 .671
348091CK	641215-6	1	6	.....	.74	.672 .648
348103CK	641215-7	1	7	.....	.82	.743 .712
348111CK	641215-8	1	8	.....	.50	.495 .492
348120CK	641215-9	1	9	.....	1.34	1.088 .987
348138CK	1-641215-0	1	10	.....	1.05	.956 .92

Right Angle Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348234CK	641216-2	2	2	.....	\$.56	\$.559 \$.416
348242CK	641216-3	2	3	.....	.78	.779 .573
348251CK	641216-4	2	4	.....	.95	.948 .694
348269CK	641216-5	2	5	.....	.82	.743 .712
348277CK	641216-6	2	6	.....	1.25	1.241 .908
348285CK	641216-7	2	7	.....	1.29	1.28 .947
348293CK	641216-8	2	8	.....	.65	.62 .58
348306CK	641216-9	2	9	.....	1.45	1.43 1.046
348314CK	1-641216-0	2	10	.....	1.15	1.043 .992

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor
- 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m • Inductance: 1.45μH/m

Part No.	Cross Ref.	Length (Ft.)	1	10	25
363813CK	H24G-10-10	10	.....	\$8.99	\$8.49 \$7.99
363821CK	H24G-10-25	25	.....	19.99	18.99 17.99
363856CK	H24G-10-100	100	.....	69.99	64.99 59.99
363864CK	H24G-10-250	250 reel	.....	199.99	174.99 149.99

.100" (2.54mm) C-GRID™ Breakaway Headers

C-Grid is a dual row, board-to-board system. The system includes: vertical and right angle headers in breakaway, shrouded and dual-body styles; vertical and right angle receptacles; headers and receptacles for SMT applications; press-fit headers and a 2-circuit shunt. C-Grid has the ability to mate with SL and KK products.

- 3.0 A, 250V • -40 to +105°C • Unshrouded

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete C-GRID™ Series Offering at
www.Jameco.com/Prod/MolexCGrid

.100" (2.54mm) IDC Connectors

- Voltage rating: 250VAC
- Current rating: 4A max.
- Dielectric withstanding voltage: 750VAC/1 min.
- Low-level resistance: 5mΩ max. initial
- Insulation resistance: 5000MΩ min. initial



Closed-End Style

Lower \$\$\$

Feed-Thru Style

Without Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345631CK	640440-5	5	22	Red	...\$.23	\$.122	\$.115
345640CK	640440-6	6	22	Red	.....	.24	.141 .135
345658CK	640440-7	7	22	Red	.....	.26	.168 .155
345666CK	640440-8	8	22	Red	.....	.28	.179 .168
345674CK	640440-9	9	22	Red	...\$.53	.29	.19 .17
345682CK	1-640440-0	10	22	Red	.....	.35	.264 .248
345738CK	640441-6	6	24	White	.....	.24	.141 .133
345746CK	640441-7	7	24	White	.....	.26	.192 .184
345754CK	640441-8	8	24	White	.....	.27	.216 .199
345762CK	640441-9	9	24	White	...\$.72	.32	.199 .189
345771CK	1-640441-0	10	24	White	.....	.35	.264 .248

With Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345965CK	643813-2	2	22	Red	...\$.20	\$.11	\$.10
345973CK	643813-3	3	22	Red	.....	.21	.12 .11
345981CK	643813-4	4	22	Red	.....	.22	.123 .104
345990CK	643813-5	5	22	Red	.....	.23	.157 .142
346001CK	643813-6	6	22	Red	.....	.24	.174 .128
346010CK	643813-7	7	22	Red	.....	.26	.192 .184
346028CK	643813-8	8	22	Red	.....	.26	.199 .185
346036CK	643813-9	9	22	Red	...\$.72	.29	.28 .27
346044CK	1-643813-0	10	22	Red	.....	.35	.264 .248
346087CK	643814-5	5	24	White	.....	.23	.168 .159
346095CK	643814-6	6	24	White	.....	.24	.176 .168
346108CK	643814-7	7	24	White	.....	.26	.192 .184
346116CK	643814-8	8	24	White	.....	.28	.216 .199
346132CK	1-643814-0	10	24	White	.....	.35	.264 .248

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors



Part No.	Product No.	Description	Price
365974CK	59803-1	.100" hand tool	.....\$20.89

.100" (2.54mm) Strain Relief Covers

Closed-End Style

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326019CK	643075-2	1	2	.....	\$.24	\$.142 \$.139
326027CK	643075-3	1	3	.....	.34	.237 .152
326035CK	643075-4	1	4	.....	.25	.153 .144
326043CK	643075-5	1	5	.....	.25	.198 .159
326051CK	643075-6	1	6	.....	.20	.15 .104
326060CK	643075-7	1	7	.....	.59	.521 .472
326078CK	643075-8	1	8	.....	.49	.299 .199
326086CK	643075-9	1	9	.....	.57	.521 .448
326094CK	1-643075-0	1	10	.....	.59	.331 .329

Feed-Thru Style

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326107CK	643077-2	2	2	.....	\$.25	\$.23 \$.199
326115CK	643077-3	2	3	.....	.29	.25 .22
326123CK	643077-4	2	4	.....	.31	.274 .248
326131CK	643077-5	2	5	.....	.39	.351 .319
326140CK	643077-6	2	6	.....	.43	.373 .338
326158CK	643077-7	2	7	.....	.45	.398 .36
326166CK	643077-8	2	8	.....	.50	.442 .40
326174CK	643077-9	2	9	.....	.57	.514 .496
326182CK	1-643077-0	2	10	.....	.59	.548 .518



.118" (3.0mm) Single and Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents



338634CK
(Fig. 1)



338271CK
(Fig. 2)



338280CK
(Fig. 3)



337691CK
(Fig. 4)



337623CK
(Fig. 5)



337631CK
(Fig. 6)



338491CK
(Fig. 7)



338044CK
(Fig. 8)



338079CK
(Fig. 9)

Single Row Crimp Housing

- Positive latching to mating headers or plugs
- Fully isolated contacts
- Integral pull tabs for ease in unmating
- Receptacle mates with 43640 and 43650 series
- Wire to wire
- Black
- Wire to board

Receptacles (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
338351CK	43645-0200	2	.....\$ .20	.....\$ .166	.....\$ .152
338360CK	43645-0300	3	.....\$ .20	.....\$ .174	.....\$ .168
338378CK	43645-0400	4	.....\$ .21	.....\$ .19	.....\$ .184
338634CK	43645-0500	5	.....\$ .23	.....\$ .213	.....\$ .20
338386CK	43645-0600	6	.....\$ .26	.....\$ .229	.....\$ .216

Plugs – Panel Mount (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
338255CK	43640-0200	2	.....\$ .20	.....\$ .166	.....\$ .152
338271CK	43640-0300	3	.....\$ .23	.....\$ .205	.....\$ .20
338298CK	43640-0400	4	.....\$ .32	.....\$ .307	.....\$ .276
338319CK	43640-0500	5	.....\$ .35	.....\$ .33	.....\$ .303
338335CK	43640-0600	6	.....\$ .38	.....\$ .368	.....\$ .323

Plugs – Free Hanging (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
338263CK	43640-0201	2	.....\$ .20	.....\$ .166	.....\$ .152
338280CK	43640-0301	3	.....\$ .20	.....\$ .174	.....\$ .168
338301CK	43640-0401	4	.....\$ .21	.....\$ .19	.....\$ .184
338327CK	43640-0501	5	.....\$ .50	.....\$ .449	.....\$ .303
338343CK	43640-0601	6	.....\$ .34	.....\$ .332	.....\$ .248

Double Row Crimp Housing

- Fully isolated contacts
- Housing: UL94V-0
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series
- Contact resistance: 10mΩ (max.)
- Contacts: tin or 30μ" gold plating over phosphor bronze
- Wire to wire
- Fully polarized
- Black

Receptacles (Fig. 4)

Part No.	Cross Ref. No.	Positions	1	10	100
337666CK	43025-0200	2	.....\$ .20	.....\$ .174	.....\$ .144
337674CK	43025-0400	4	.....\$ .23	.....\$ .213	.....\$ .192
337682CK	43025-0600	6	.....\$ .28	.....\$ .253	.....\$ .232
337691CK	43025-0800	8	.....\$ .33	.....\$ .292	.....\$ .264
337703CK	43025-1000	10	.....\$ .36	.....\$ .332	.....\$ .272
337711CK	43025-1200	12	.....\$ .45	.....\$ .403	.....\$ .368
337842CK	43025-1600	16	.....\$ .52	.....\$ .443	.....\$ .384
337851CK	43025-1800	18	.....\$ .71	.....\$ .648	.....\$ .544
337869CK	43025-2000	20	.....\$ .95	.....\$ .856	.....\$ .705
337877CK	43025-2400	24	.....\$ .82	.....\$ .784	.....\$ .68

Plugs – Panel Mount (Fig. 5)

Part No.	Cross Ref. No.	Positions	1	10	100
337586CK	43020-0200	2	.....\$ .21	.....\$ .182	.....\$ .152
337594CK	43020-0400	4	.....\$ .23	.....\$ .213	.....\$ .184
337607CK	43020-0600	6	.....\$ .29	.....\$ .261	.....\$ .24
337623CK	43020-0800	8	.....\$ .35	.....\$ .261	.....\$ .224
337640CK	43020-1000	10	.....\$ .40	.....\$ .356	.....\$ .328
337826CK	43020-1200	12	.....\$ .45	.....\$ .403	.....\$ .368
337834CK	43025-1400	14	.....\$ .49	.....\$ .442	.....\$ .36

Double Row Crimp Housing (Continued)

Plugs – Free Hanging (Fig. 6)

Part No.	Cross Ref. No.	Positions	1	10	100
337800CK	43020-0201	2	.....\$ .21	.....\$ .182	.....\$ .168
337818CK	43020-0401	4	.....\$ .29	.....\$ .253	.....\$ .194
337615CK	43020-0601	6	.....\$ .31	.....\$ .237	.....\$ .20
337631CK	43020-0801	8	.....\$ .40	.....\$ .363	.....\$ .304
337658CK	43020-1001	10	.....\$ .46	.....\$ .419	.....\$ .336

Single Row PCB Headers

- Snap-in peg locks header to PCB for retention
- Surface mount compatible
- Fully polarized to mating receptacle
- Mates with 43645 series
- Black
- Wire to board

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338394CK	43650-0200	2	.....\$ .39	.....\$ .332	.....\$ .296
338431CK	43650-0300	3	.....\$ .41	.....\$ .379	.....\$ .344
338466CK	43650-0400	4	.....\$ .43	.....\$ .395	.....\$ .36
338491CK	43650-0500	5	.....\$ .115	.....\$ 1.08	.....\$ .838
338520CK	43650-0600	6	.....\$ .99	.....\$ .80	.....\$ .729

Right Angle w/ Snap-In Plastic Peg – 15μ" gold (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338407CK	43650-0201	2	.....\$ .61	.....\$ .561	.....\$ .512
338642CK	43650-0301	3	.....\$ 1.09	.....\$ 1.03	.....\$ .791
338651CK	43650-0401	4	.....\$ 1.25	.....\$ 1.17	.....\$ .911

Double Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle
- Black

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337885CK	43045-0200	2	.....\$ .35	.....\$ .316	.....\$ .264
337965CK	43045-0400	4	.....\$ .51	.....\$ .443	.....\$ .40
338044CK	43045-0600	6	.....\$ .55	.....\$ .514	.....\$ .456
338554CK	43045-0800	8	.....\$ .70	.....\$ .616	.....\$ .56
338562CK	43045-1000	10	.....\$ .78	.....\$ .719	.....\$ .656
338212CK	43045-1200	12	.....\$ .89	.....\$ .84	.....\$ .77
338571CK	43045-1400	14	.....\$ 1.09	.....\$ .99	.....\$ .912
338597CK	43045-1600	16	.....\$ 1.25	.....\$ 1.15	.....\$ 1.04
338600CK	43045-2000	20	.....\$ 1.39	.....\$ 1.30	.....\$ 1.20

Right Angle w/ Snap-In Plastic Peg – Gold (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337893CK	43045-0202	2	.....\$ .51	.....\$ .458	.....\$ .416
337973CK	43045-0402	4	.....\$ .67	.....\$ .632	.....\$ .568
338052CK	43045-0602	6	.....\$ .99	.....\$ .88	.....\$ .794
338116CK	43045-0802	8	.....\$ 1.05	.....\$ 1.00	.....\$ .899
338167CK	43045-1002	10	.....\$ 1.25	.....\$ 1.14	.....\$ 1.04
338221CK	43045-1202	12	.....\$ 1.39	.....\$ 1.32	.....\$ 1.19
338589CK	43045-1402	14	.....\$ 1.59	.....\$ 1.46	.....\$ 1.36
338618CK	43045-2202	22	.....\$ 2.39	.....\$ 2.17	.....\$ 2.08
338626CK	43045-2402	24	.....\$ 6.09	.....\$ 5.84	.....\$ 4.47

Double Row PCB Headers (Continued)

Vertical Thru Hole – Tin (Fig. 9)

Part No.	Cross Ref. No.	Positions	1	10	100
337922CK	43045-0212	2	.....\$ .59	.....\$ .561	.....\$ .408
338001CK	43045-0412	4	.....\$ .39	.....\$ .332	.....\$ .304
338079CK	43045-0612	6	.....\$ .47	.....\$ .419	.....\$ .376
338132CK	43045-0812	8	.....\$ .70	.....\$ .632	.....\$ .576
338175CK	43045-1012	10	.....\$ .65	.....\$ .593	.....\$ .56
338239CK	43045-1212	12	.....\$ .82	.....\$ .735	.....\$ .664

Vertical Thru Hole – Gold (Fig. 9)

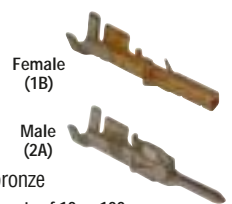
Part No.	Cross Ref. No.	Positions	1	10	100
337931CK	43045-0214	2	.....\$ .49	.....\$ .451	.....\$ .408
338010CK	43045-0414	4	.....\$ .59	.....\$ .514	.....\$ .48
338087CK	43045-0614	6	.....\$ .79	.....\$ .72	.....\$ .656
338141CK	43045-0814	8	.....\$ .99	.....\$ .888	.....\$ .81
338183CK	43045-1014	10	.....\$ 2.25	.....\$ 2.05	.....\$ 1.75
338247CK	43045-1214	12	.....\$ 1.39	.....\$ 1.30	.....\$ 1.22

Female & Male Contacts

Type*:

- 1: female
- 2: male

- A: tin plating over phosphor bronze
- B: 30μ" select gold over nickel over phosphor bronze



* Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
337720CK	43030-0007	20-24	1A .... *	.....\$ .094	.....\$ .072	
337738CK	43030-0009	20-24	1B .... *	.....\$ .20	.....\$ .16	
337746CK	43030-0010	26-30	1A .... *	.....\$ .096	.....\$ .081	
337754CK	43030-0012	26-30	1B .... *	.....\$ .20	.....\$ .174	.....\$ .16
337762CK	43031-0007	20-24	2A .... *	.....\$ .087	.....\$ .064	
337771CK	43031-0009	20-24	2B .... *	.....\$ .135	.....\$ .104	
337789CK	43031-0010	26-30	2A .... *	.....\$ .085	.....\$ .072	
337797CK	43031-0012	26-30	2B .... *	.....\$ .134	.....\$ .12	

Extraction Tool

- Length: 3.0"

Part No.	Cross Ref. No.	1	5
338669CK	11-03-0043	.....\$ 14.99	.....\$ 11.49

Crimp Tool

- Length: 8.25"

Part No.	Cross Ref. No.	1	5	10
338677CK	HT-225D	.....\$ 24.99	.....\$ 22.99	.....\$ 19.99

Committed to You

We're committed to providing you with the best service in the industry.



.125" (3.18mm) HCS-125 Pin & Socket Housing

3.18 mm (.125") pitch, high-current pin and socket wire-to-wire power connector. Capable of handling up to 20 amps.

- Single row
- 1 to 12 positions

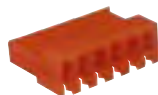
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Molex HCS-125 Series Offering at
www.Jameco.com/Prod/Molex125



.156" (3.96mm) IDC Connectors AMP MTA-156 Series Value Equivalents

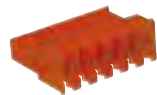
Lower \$\$\$



397474CK
(Fig. 1)



397749CK
(Fig. 2)



397837CK
(Fig. 3)



398101CK
(Fig. 4)

Closed-End Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 1)

		• Orange		• AWG: 18	
Part No.	Cross Ref. No.	Positions	1	10	100
397431CK	640426-2	2	\$.21	\$.103	\$.08
397440CK	640426-3	3	.22	.149	.139
397458CK	640426-4	4	.23	.158	.142
397466CK	640426-5	5	.24	.185	.145
397474CK	640426-6	6	.25	.199	.164

		• Yellow		• AWG: 20	
Part No.	Cross Ref. No.	Positions	1	10	100
397520CK	640427-2	2	\$.21	\$.117	\$.105
397538CK	640427-3	3	.22	.139	.119
397546CK	640427-4	4	.23	.166	.129
397554CK	640427-5	5	\$.63	.24	.185
397562CK	640427-6	6	.25	.199	.169

With Locking Ramp and Polarizing Tabs (Fig. 2)

		• Orange		• AWG: 18	
Part No.	Cross Ref. No.	Positions	1	10	100
397618CK	643817-2	2	\$.21	\$.126	\$.119
397626CK	643817-3	3	.22	.138	.133
397634CK	643817-4	4	.23	.126	.119
397642CK	643817-5	5	\$.37	.24	.149
397651CK	643817-6	6	.25	.159	.149

		• Yellow		• AWG: 20	
Part No.	Cross Ref. No.	Positions	1	10	100
397706CK	643818-2	2	\$.21	\$.119	\$.105
397714CK	643818-3	3	.22	.179	.138
397722CK	643818-4	4	.23	.189	.169
397731CK	643818-5	5	\$.45	.24	.199
397749CK	643818-6	6	.25	.205	.195

Strain Relief Covers for Closed-End Style

Part No.	Cross Ref. No.	Positions	1	10	100
398696CK	643067-2	2	\$.20	\$.16	\$.14
398709CK	643067-3	3	.31	.235	.161
398717CK	643067-4	4	.33	.256	.17
398725CK	643067-5	5	.67	.616	.508
398733CK	643067-6	6	.34	.261	.192

Feed-Thru Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 3)

		• Orange		• AWG: 18	
Part No.	Cross Ref. No.	Positions	1	10	100
397790CK	640599-2	2	\$.21	\$.117	\$.105
397802CK	640599-3	3	.22	.129	.119
397811CK	640599-4	4	.23	.158	.136
397829CK	640599-5	5	\$.41	.24	.172
397837CK	640599-6	6	.25	.199	.189

		• Yellow		• AWG: 20	
Part No.	Cross Ref. No.	Positions	1	10	100
397888CK	640600-2	2	\$.21	\$.129	\$.119
397896CK	640600-3	3	.22	.149	.138
397909CK	640600-4	4	.23	.165	.155
397917CK	640600-5	5	\$.29	.24	.179
397925CK	640600-6	6	.25	.199	.189

With Locking Ramp and Polarizing Tabs (Fig. 4)

		• Orange		• AWG: 18	
Part No.	Cross Ref. No.	Positions	1	10	100
397976CK	644465-2	2	\$.21	\$.099	\$.089
397984CK	644465-3	3	.22	.119	.109
397992CK	644465-4	4	.23	.158	.149
398004CK	644465-5	5	\$.29	.24	.175
398012CK	644465-6	6	.25	.199	.189

		• Yellow		• AWG: 20	
Part No.	Cross Ref. No.	Positions	1	10	100
398063CK	644466-2	2	\$.21	\$.099	\$.089
398071CK	644466-3	3	.22	.109	.099
398080CK	644466-4	4	.23	.119	.109
398098CK	644466-5	5	\$.29	.24	.189
398101CK	644466-6	6	.25	.199	.179

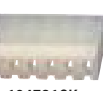
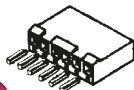
Strain Relief Covers for Feed-Thru Style

Part No.	Cross Ref. No.	Positions	1	10	100
398602CK	643071-2	2	\$.20	\$.164	\$.148
398611CK	643071-3	3	.27	.245	.223
398629CK	643071-4	4	.37	.327	.296
398637CK	643071-5	5	\$.49	.45	.399
398645CK	643071-6	6	.49	.449	.399



.156" (3.9mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 193-198) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use with crimp pins, 78318CK, below



Part No.	Cross Ref. No.	Pins	1	10	100	1000
176743CK	LCH2	2	\$.20	\$.07	\$.05	\$.04
104432CK	LCH3	3	.22	.19	.12	.11
104715CK	LCH4	4	.24	.22	.15	.12
104723CK	LCH5	5	.26	.24	.17	.13
104731CK	LCH6	6	.33	.30	.24	.15
104766CK	LCH10	10	.39	.32	.28	.23



.156" (3.9mm) Center Crimp Pin

- Pin wire gauge: 18-24 AWG
- Material: brass/tin plated
- Use with .156 housings (above)



Prepackaged: order in increments of 10, 100, 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
78318CK	JS-5001-T	\$.11	\$.08	\$.07



.156" Female Crimp Pins

- Pin wire gauge: 18-22 AWG
- Material: tin-plated brass
- Use 99442CK crimping tool, pg 281



SALE

Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
154093CK	LRPIN	\$.061	\$.05	\$.035



T-Handle Tool

- For .156" IDC connectors



Part No.	Product No.	Description	Price
404540CK	59804-1	0.156" hand tool	\$20.89

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!
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.156" Center Housing Connectors & Crimp Contact

- Mating connectors for Mean Well LPS and LPP series power supplies (pgs 197-198)
- Current rating: 10A AC/DC
- Voltage rating: 250V AC/DC



		• Material: brass		• Finish: tin-plated		• 18-22 AWG	
Part No.	Description	1	10	100	1000		
215950CK	5 pos. housing	\$.35	\$.32	\$.28	\$.26		
215976CK	8 pos. housing	.39	.35	.32	.28		
215968CK	12 pos. housing	.49	.44	.39	.35		
227416CK	Crimp contact	.32	.29	.26	.22		



.156" (3.9mm) Center Straight-Friction Lock Headers

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25°C to +85°C
- Header material: pin - brass/tin-plated
- Base: nylon 66, UL94V-2



Part No.	Cross Ref. No.	Pins	1	10	100	1000
104791CK	LMH4	4	\$.22	\$.11	\$.09	\$.07
104803CK	LMH5	5	.23	.13	.11	.09
104811CK	LMH6	6	.25	.15	.12	.10
104846CK	LMH10	10	.35	.21	.18	.16

Other Manufacturers

235491CK	8673-12-5	12	\$.35	\$.32	\$.25	\$.23
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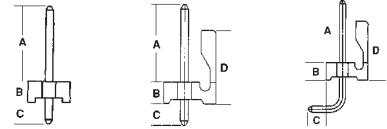
AMP

.156" (3.96mm) Male Headers

- Voltage and current rating: 600VAC @ 7.0A
- Contact material/plating: copper alloy/tin
- UL94V-0 flammability rating
- .045" square posts
- Insulator material: polyester
- Solder tail material/plating: copper alloy/tin



231491CK 231571CK 232418CK



Straight Header Straight Friction Lock Right Angle Friction Lock

Straight Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"

Part No.	Product No.	Positions	1	10	100
231458CK	640383-2	2	..... \$ .23	\$.20	\$.17
231466CK	640383-3	3	..... .26	.23	.20
231474CK	640383-4	4	..... .29	.26	.22
231482CK	640383-5	5	..... .37	.33	.27
231491CK	640383-6	6	..... .40	.36	.32
231503CK	640383-7	7	..... .47	.42	.34
231511CK	640383-8	8	..... .55	.46	.39
231520CK	640383-9	9	..... .60	.53	.45
231538CK	1-640383-0	10	..... .69	.63	.56

Straight Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
231546CK	640445-2	2	..... *	\$ .07	\$.06
231554CK	640445-3	3	..... *	.075	.065
231562CK	640445-4	4	..... *	.10	.08
231571CK	640445-5	5	..... *	.14	.10
231589CK	640445-6	6	..... *	.17	.13
231597CK	640445-7	7	..... *	.18	.15
231600CK	640445-8	8	..... *	.23	.17
231626CK	1-640445-0	10	..... .31	.24	.20

Right Angle Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	100
232362CK	640389-2	2	..... \$ .29	\$.26	\$.23
232371CK	640389-3	3	..... .44	.39	.34
232389CK	640389-4	4	..... .59	.52	.46
232397CK	640389-5	5	..... .74	.65	.57
232400CK	640389-6	6	..... .80	.71	.62
232418CK	640389-7	7	..... .93	.83	.73
232426CK	640389-8	8	..... 1.06	.94	.83
232434CK	640389-9	9	..... 1.19	1.06	.92
232442CK	1-640389-0	10	..... 1.33	1.18	.98

AMP

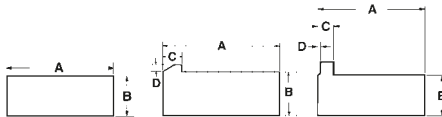
.156" (3.96mm) Female Housing

- Voltage and current rating: 250VAC @ 6.5A maximum
- Material: nylon, unreinforced 94V-0
- Insulation resistance: 1,000MΩ minimum
- Dielectric withstanding voltage: 2kVAC
- Hole diameter: .054" (1.37mm)



236259CK 236161CK 236347CK

Side View



Without Locking Ramp With Locking Ramp With Locking Ramp & Polarizing Tabs

Without Locking Ramp

- Dimensions: (A) .660"; (B) .250"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236232CK	640251-2	2	..... *	\$ .096	\$.095
236241CK	640251-3	3	..... .20	.14	.08
236259CK	640251-4	4	..... .29	.186	.107
236267CK	640251-5	5	..... *	.114	.106
236275CK	640251-6	6	..... .25	.23	.19
236283CK	640251-7	7	..... .42	.326	.213
236291CK	640251-8	8	..... .45	.373	.243
236304CK	640251-9	9	..... .46	.419	.337
236312CK	1-640251-0	10	..... .27	.25	.243

With Locking Ramp

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236144CK	640250-2	2	..... *	\$ .152	\$.134
236152CK	640250-3	3	..... *	.086	.076
236161CK	640250-4	4	..... *	.162	.15
236179CK	640250-5	5	..... .20	.138	.105
236187CK	640250-6	6	..... .21	.15	.112
236195CK	640250-7	7	..... .24	.15	.118
236208CK	640250-8	8	..... .22	.155	.149
236216CK	640250-9	9	..... .45	.419	.337
236224CK	1-640250-0	10	..... .51	.466	.349

With Locking Ramp and Polarizing Tabs

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .019" ±.003"

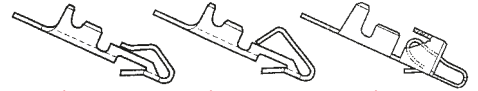
*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236321CK	770849-2	2	..... *	\$ .114	\$.105
236339CK	770849-3	3	..... .22	.14	.12
236347CK	770849-4	4	..... .20	.173	.15
236355CK	770849-5	5	..... *	.171	.154
236363CK	770849-6	6	..... .30	.28	.182
236371CK	770849-7	7	..... .36	.326	.213
236380CK	770849-8	8	..... .39	.365	.30
236398CK	770849-9	9	..... .46	.39	.19
236401CK	1-770849-0	10	..... .31	.307	.291

AMP

.156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:
 - *A: brass, 0.012" bright tin plated
 - *B: brass, 0.012" pre-tin plated
 - *C: brass, 0.000030" gold over nickel plated
 - *D: phosphor bronze, 0.012" bright tin plated
 - *E: phosphor bronze, 0.00003" gold over nickel plated
- For use with .156" AMP housings (bottom left)
- Prepackaged: order in increments of 10, 100 or 500

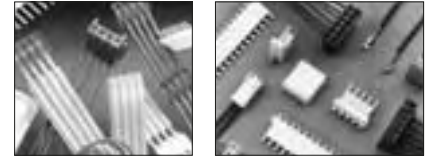


*Fig. 1 (High-Force) *Fig. 2 (Low-Force) *Fig. 3 (Hooded - Dual Wipe)

Part No.	Product No.	Desc.*	AWG	10	100	500
248866CK	640706-1	1A	18-24	\$.171	\$.155	\$.145
248874CK	640706-2	1B	18-24	... .152	.14	.13
248882CK	640707-1	2A	18-24	... .20	.175	.119
248891CK	770258-1	2C	18-24	... .39	.35	.32
248903CK	770522-1	3D	18-24	... .19	.138	.123
248911CK	770258-2	3E	18-24	... .30	.27	.23

AMP

MTA-100 (.100") and MTA-156 (.156") Connectors



MTA-100/MTA-156

- IDC Connectors, closed end and feed thru
- Friction lock headers, straight and right angle
- Polarized headers, straight and right angle
- Flat headers, straight and right angle
- Strain relief covers
- Keying plugs
- Closed end IDC connectors

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See Our AMP MTA Connector Series Offering at www.Jameco.com/Prod/AMPMTA



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KK® Series Connectors

The proven KK system of "building block" connectors can be used to create thousands of different configurations, thereby allowing each user to build a system that is precisely suited to any application on 2.50mm (.09"), 2.54(.100"), 3.96 (.156") and 5.08mm (.200") centers.

Features include a friction lock to secure connectors to wafer, polarizing wall or location pegs to assure correct assembly. Various methods of securely holding the connectors to a PC board are available. Headers are available in solid or breakaway, and housing termination can be crimp or IDT.

The Molex KK interconnection system can provide all the options necessary to complement PC board interconnection design requirements. For this reason, KK has become known as a versatile interconnecting system developed to meet the challenge of modularization.

Crimp Terminal Housings

- Polarization via insertable keys and pegs, molded voids or pegs, polarizing ribs or polarizing wall headers
- Locking ramp for improved mated retention with locking headers
- Accepts KK gas tight crimp terminals
- Mates with headers or pins in the board
- Available with Tin, Gold or Select Gold plating

Solder Tail Connectors

- Versions to accept mating pins vertically, horizontally or through the printed circuit board
- Mates with headers or pins in the board
- Strain relieving board hooks
- Polarization via insertable keys or pegs
- Locking ramps for improved retention when mated
- Stackable end-to-end
- Pre-assembled with KK gas tight terminals

Headers

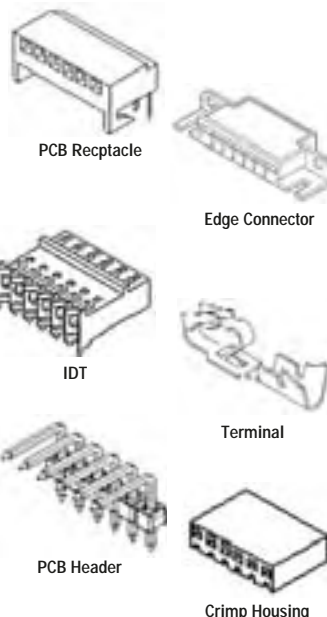
- Polarization via voided positions and polarizing walls, except 2.50mm (.098")
- Locking wall option for improved retention with mating connector
- Industry compatible.
- Breakaway and solid styles available.

Male Pins

- 0.64mm (.025") square or 1.14mm (.045") square or round
- Press fit and solder to board
- Mates with crimp or solder connector
- Variety of standard platings and lengths

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete KK Series Connector Offering at www.Jameco.com/Prod/MolexKK



.165" (4.2mm) Mini-Fit™ Jr. Equivalent Contacts



*Fig. 1 (Male)



*Fig. 2 (Female)

• Type*

- A: Tin over nickel over brass
- B: 15µ" gold over nickel over brass
- C: 30µ" gold over nickel over brass
- D: Tin over nickel over phosphor bronze
- E: 15µ" gold over nickel over phosphor bronze
- F: 30µ" gold over nickel over phosphor bronze

*Minimum order 10 pieces

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
365747CK	39-00-0054	18-24	1C ..	\$.48	\$.356	\$.258
401859CK	39-00-0076	18-24	1B	*	.23	.228
365798CK	39-00-0088	22-28	1C ....	.30	.296	.295
365704CK	39-00-0096	16	1C ....	.30	.296	.293
401841CK	39-00-0098	22-28	1B ....	.31	.308	.304
401867CK	39-00-0099	16	1B	*	.15	.136
401824CK	39-00-0121	18-24	1A	*	.062	.044
401816CK	39-00-0123	22-28	1A	*	.075	.056
401832CK	39-00-0125	16	1A	*	.076	.075
401752CK	39-00-0126	22-28	2D	*	.056	.041
365886CK	39-00-0164	18-24	2C ....	.31	.30	.288
365915CK	39-00-0166	22-28	2C ....	.31	.30	.288
365835CK	39-00-0168	16	2C ....	.36	.308	.292
401736CK	39-00-0170	18-24	2B ....	.32	.315	.304
401728CK	39-00-0172	22-28	2B ....	.31	.30	.288
401744CK	39-00-0174	16	2B ....	.35	.32	.304
365851CK	39-00-0182	18-24	2F ....	.38	.371	.36
365907CK	39-00-0184	22-28	2F ....	.38	.371	.36
365827CK	39-00-0186	16	2F ....	.38	.371	.36
401795CK	39-00-0195	18-24	2E ....	.32	.315	.304
401787CK	39-00-0197	22-28	2E ....	.38	.365	.36
401808CK	39-00-0199	16	2E ....	.35	.32	.304
401701CK	39-00-0208	18-24	2A	*	.063	.048
401699CK	39-00-0210	22-28	2A	*	.056	.041
401710CK	39-00-0212	16	2A	*	.126	.118
401761CK	39-00-0214	18-24	2D	*	.076	.055
401779CK	39-00-0218	16	2D	*	.119	.104

Making Great Connectors Even Better!

Do you know how to make these premium-quality connectors even better? Too often, prototypers use pliers or an incorrect crimper to fasten wire to pin. When the plier tips are too wide, pin shapes become distorted. Even a slight distortion can prevent the pin from seating in the connector properly, which leads to poor connections. An improper crimper can either under-crimp, leading to future wire separation; or over-crimp, leading to fatigued pins that eventually break apart.

Be sure you use the right crimper for the job. For instance, be sure to use P/N 99442CK on page 281 for the crimp pins on this page. Then you can be assured the quality of your work will be as great as the quality of the connectors.

Practical Practices
Money Saving Tips for the Engineer

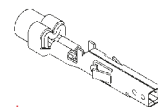


.165" (4.2mm) Mini-Fit Jr. Contacts

- Voltage: 600V
- Current: 9A (†12A current rating)
- Dielectric withstanding voltage: 1500V
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Material: *A: Brass (pre-plated tin over copper)
- *B: Brass or copper (post-plated tin over nickel)
- *C: Brass (post-plated tin over nickel)
- *D: Phosphor bronze (pre-plated gold over nickel)



*Fig. 1 (Male)



*Fig. 2 (Female)

Male Contacts

*Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Desc.*	AWG	1	10	100
304661CK	44478-3112	†1B	16	\$.20	\$.171	\$.152
304688CK	39-00-0224	1D	16 .....	.85	.704	.508
304709CK	39-00-0096	1C	16 .....	.62	.517	.376
304725CK	39-00-0041	1A	18-24	*	.056	.047
304741CK	39-00-0220	1D	18-24 ...	.76	.704	.389
304792CK	30490-2012	1D	18-24 ...	.25	.244	.209
304805CK	39-00-0054	1C	18-24 ...	.43	.404	.306
304821CK	30490-1012	1D	18-24 ...	.83	.686	.494
304768CK	44478-1112	†1B	22-28 ...	.28	.261	.171
304864CK	39-00-0049	1A	22-28 ...	.20	.071	.07
304881CK	39-00-0222	1D	22-28 ...	.76	.649	.466
304901CK	39-00-0088	1C	22-28 ...	.43	.40	.361

• Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307985CK	39-00-0040	†1A	18-24	\$108.00

Female Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304670CK	44476-3112	†2C	16	\$.32	\$.261	\$.155
304696CK	39-00-0186	2D	16 .....	.85	.70	.51
304717CK	39-00-0168	2C	16 .....	.58	.479	.346
304733CK	39-00-0039	2A	18-24	*	.064	.059
304750CK	39-00-0182	2D	18-24 ...	.46	.44	.40
304776CK	44476-1112	†2B	18-24 ...	.32	.261	.188
304784CK	44485-1212	†2D	18-24 ...	.88	.733	.523
304813CK	39-00-0164	2C	18-24 ...	.43	.39	.345
304872CK	39-00-0047	2A	22-28 ...	.20	.14	.096
304899CK	39-00-0184	2D	22-28 ...	.45	.435	.428
304910CK	39-00-0166	2C	22-28 ...	.58	.478	.323

• Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307993CK	39-00-0038	†2A	18-24	\$140.00



.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents

- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Contact resistance: 10mΩ

- UL rating: 94V-2
- Positive locking housings
- Voltage: 600V
- Temp.: -40°C to +150°C

- Pitch: 0.165" (4.2mm)
- Current: up to 9A
- Housing: 6/6 Nylon Natural

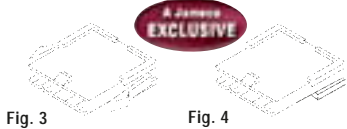


Fig. 3

Fig. 4

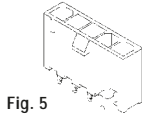


Fig. 5

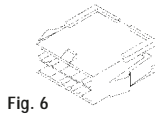


Fig. 6

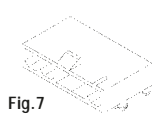


Fig. 7

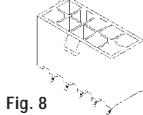


Fig. 8



Fig. 1

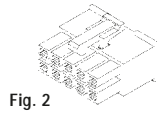


Fig. 2

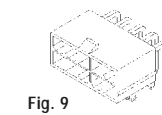


Fig. 9

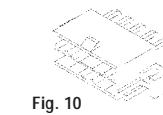


Fig. 10

5557 Series Connector Equivalents

Receptacle Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364584CK	39-01-4030	1	3 ...	.20	\$.147	\$.124
364592CK	39-01-4040	1	4 .....	.33	.267	.226
364605CK	39-01-4050	1	5 .....	.33	.265	.223

Receptacle Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736CK	39-01-2020	2	2 ...	\$.27	\$.24	\$.162
364744CK	39-01-2040	2	4 .....	.20	.176	.119
364752CK	39-01-2060	2	6 .....	.38	.34	.23
364761CK	39-01-2080	2	8 .....	.43	.371	.258
364779CK	39-01-2100	2	10 .....	.42	.374	.252
364787CK	39-01-2120	2	12 .....	.47	.421	.283
364795CK	39-01-2140	2	14 .....	.57	.51	.343
364808CK	39-01-2160	2	16 .....	.59	.522	.351
364824CK	29-01-2200	2	20 .....	.75	.666	.448
364832CK	39-01-2220	2	22 .....	.99	.912	.611
364841CK	39-01-2240	2	24 .....	.84	.744	.502

5559 Series Connector Equivalents

Plugs - Panel Mount w/ Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364613CK	39-01-4032	3	3 ...	\$.24	\$.195	\$.165
364621CK	39-01-4052	3	5 .....	.32	.258	.218

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364859CK	39-01-2021	6	2 ...	\$.27	\$.242	\$.162
364867CK	39-01-2041	6	4 .....	.39	.363	.24
364875CK	39-01-2061	6	6 .....	.43	.371	.248
364883CK	39-01-2081	6	8 .....	.35	.312	.21
364891CK	39-01-2101	6	10 .....	.42	.374	.252
364904CK	39-01-2121	6	12 .....	.43	.382	.257
364912CK	39-01-2141	6	14 .....	.59	.435	.336
364921CK	39-01-2161	6	16 .....	.62	.506	.44

Plugs - Free Hanging w/o Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364630CK	39-01-4036	4	3 ...	\$.31	\$.254	\$.214
364648CK	39-01-4046	4	4 .....	.24	.196	.166
364656CK	39-01-4056	4	5 .....	.27	.22	.186

5566 Series PCB Header Equivalents

Vertical Single Row w/ Pegs & Drain Holes - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364672CK	39-30-2035	5	3 ...	\$.75	\$.466	\$.378
364681CK	39-30-2045	5	4 .....	.89	.55	.445
364699CK	39-30-2056	5	5 ...	1.25	.751	.607

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages at www.jameco.com.

5566 Series PCB Header Equivalents (Con't)

Vertical Dual Row without Pegs without Drain Holes - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364939CK	39-28-1023	8	2 ...	\$.60	\$.516	\$.36
364947CK	39-28-1043	8	4 .....	.77	.672	.464
364955CK	39-28-1063	8	6 ...	1.05	.877	.632
364963CK	39-28-1083	8	8 ...	1.19	.99	.737
364971CK	39-28-1103	8	10 ...	1.39	1.24	.818
364980CK	39-28-1123	8	12 ...	1.49	1.29	.915
364998CK	39-28-1143	8	14 ...	1.89	1.71	1.22
365000CK	39-28-1163	8	16 ...	2.09	1.89	1.35
365018CK	39-28-1183	8	18 ...	2.39	2.15	1.46
365026CK	39-28-1203	8	20 ...	2.85	2.48	1.72
365034CK	39-28-1223	8	22 ...	1.09	.96	.923
365042CK	39-28-1243	8	24 ...	3.19	2.66	1.92

Vertical Dual Row without Pegs without Drain Holes - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365051CK	39-29-0023	8	2 ...	\$.74	\$.577	\$.496
365069CK	39-29-0043	8	4 ...	1.19	1.15	.904
365077CK	39-29-0063	8	6 ...	1.39	1.19	.944
365085CK	39-29-0103	8	8 ...	2.19	2.15	2.14
365093CK	39-29-0123	8	10 ...	2.19	1.84	1.49
365106CK	39-29-0143	8	12 ...	3.19	3.15	3.14
365114CK	39-29-0163	8	14 ...	3.75	3.71	3.69
365122CK	39-29-0163	8	16 ...	4.19	4.15	4.09
365131CK	39-29-0183	8	18 ...	4.69	4.65	4.63
365149CK	39-29-0203	8	20 ...	5.29	5.25	5.19
365157CK	39-29-0223	8	22 ...	5.85	5.83	5.82
365165CK	39-29-0243	8	24 ...	6.29	6.23	6.12

5569 Series PCB Header Equivalents

Right Angle Single Row w/ Pegs - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364701CK	39-30-3035	7	3 ...	\$.85	\$.502	\$.406
364710CK	39-30-3045	7	4 .....	.79	.476	.386
364728CK	39-30-3055	7	5 .....	.99	.614	.496

Right Angle Dual Row w/ Pegs - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365173CK	39-30-1020	9	2 ...	\$.53	\$.476	\$.322
365181CK	39-30-1040	9	4 .....	.55	.419	.284
365190CK	39-30-1060	9	6 .....	.69	.521	.352
365202CK	39-30-1080	9	8 .....	.72	.616	.416
365211CK	39-30-1100	9	10 .....	.99	.758	.512
365229CK	39-30-1120	9	12 ...	1.19	.90	.608
365237CK	39-30-1140	9	14 ...	1.15	.99	.689
365245CK	39-30-1160	9	16 ...	1.55	1.19	.81
365253CK	39-30-1180	9	18 ...	1.39	1.16	.948
365261CK	39-30-1200	9	20 ...	1.49	1.28	1.14
365270CK	39-30-1220	9	22 ...	2.05	1.98	1.90
365288CK	39-30-1240	9	24 ...	2.19	1.99	1.91

5569 Series PCB Header Equivalents (Con't)

Right Angle Dual Row w/ Pegs - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365325CK	39-30-1021	9	2 ...	\$1.39	\$1.25	\$.84
365333CK	39-30-1041	9	4 .....	.95	.94	.928
365341CK	39-30-1061	9	6 ...	1.09	.995	.952
365350CK	39-30-1081	9	8 ...	1.49	1.45	1.43
365368CK	39-30-1101	9	10 ...	1.69	1.62	1.54
365376CK	39-30-1121	9	12 ...	2.05	1.79	1.72
365384CK	39-30-1141	9	14 ...	2.45	2.41	2.39
365392CK	39-30-1161	9	16 ...	2.85	2.79	2.76
365405CK	39-30-1181	9	18 ...	3.25	2.96	2.90
365413CK	39-30-1201	9	20 ...	3.49	3.29	3.09
365421CK	39-30-1221	9	22 ...	4.25	4.22	4.15
365430CK	39-30-1241	9	24 ...	4.75	4.73	4.68

Right Angle - Dual Row w/ Flanges - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365448CK	39-29-1028	10	2 ...	\$.39	\$.348	\$.232
365456CK	39-29-1048	10	4 .....	.49	.435	.296
365464CK	39-29-1068	10	6 .....	.62	.569	.384
365472CK	39-29-1088	10	8 .....	.76	.672	.456
365481CK	39-29-1108	10	10 ...	.91	.837	.508
365499CK	39-29-1128	10	12 ...	1.05	.94	.64
365501CK	39-29-1148	10	14 ...	1.15	.97	.80
365510CK	39-29-1168	10	16 ...	1.49	1.35	.91
365528CK	39-29-1188	10	18 ...	1.69	1.68	1.67
365536CK	39-29-1208	10	20 ...	1.79	1.51	1.22
365544CK	39-29-1228	10	22 ...	3.15	2.80	1.92
365552CK	39-29-1248	10	24 ...	3.89	3.30	2.34

Right Angle - Dual Row w/ Flanges - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365561CK	39-39-5023	10	2 ...	\$1.35	\$1.19	\$.808
365579CK	39-39-5043	10	4 ...	1.55	1.37	.928
365587CK	39-39-5063	10	6 ...	2.25	1.98	1.36
365595CK	39-39-5083	10	8 ...	2.55	2.28	1.54
365608CK	39-39-5103	10	10 ...	1.89	1.79	1.76
365616CK	39-39-5123	10	12 ...	3.39	3.04	2.06
365624CK	39-39-5143	10	14 ...	3.89	3.71	2.56
365632CK	39-39-5163	10	16 ...	4.85	4.34	2.94
365641CK	39-39-5183	10	18 ...	3.45	3.39	3.06
365659CK	39-39-5203	10	20 ...	3.95	3.89	3.88
365667CK	39-39-5223	10	22 ...	4.45	4.42	4.36
365675CK	39-39-5243	10	24 ...	4.99	4.97	4.95

Hand Crimp Tools for Mini-Fit Jr.



308030CK: Cuts & strips 14-24 AWG wires
 227491CK: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030CK	W-HT-1919	8.3"L	Red	\$.14.99	\$13.99
227491CK	W-HT-1921	8.3"L	Yellow	14.99	13.99



.165" (4.2mm) Mini-Fit Jr. Connectors

SALE

Lower \$\$\$

- Use with strain relief or overmold applications
- UL/CSA/TUV approved
- Uses standard Mini-Fit series terminals

- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Housing: 6/6 nylon natural, UL 94V-2 rated



Single Row Receptacles and Plugs

Receptacles

Part No.	Product No.	Fig.	Pos.	1	10	100
303765CK	39-01-4030R	1	3	....\$ .43	\$.319	\$.203
303773CK	39-01-4040R	1	4	....\$ .40	\$.318	\$.268
303781CK	39-01-4050R	1	5\$.39	\$.315	\$.265

Panel Mount Receptacle w/ Passive Lock

462424CK	03-04-4052R	1	5*	\$.30	\$.29
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Panel Mount Plugs w/ Mounting Ears

303790CK	39-01-4032R	2	3\$.46	\$.414	\$.276
303829CK	39-01-4052R	2	5\$.38	\$.307	\$.258

Panel Mount Plugs w/o Mounting Ears

303802CK	39-01-4036R	3	3	....\$ .37	\$.302	\$.254
303811CK	39-01-4046R	3	4	....\$ .49	\$.404	\$.295
303837CK	39-01-4056R	3	5	....\$ .53	\$.461	\$.329

Single Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/ Pegs

Part No.	Product No.	Fig.	Pos.	1	10	100
304565CK	39-30-1039R	4	3	....\$ .90	\$.537	\$.433
304573CK	39-30-2035R	4	3	....\$ .91	\$.55	\$.448
304581CK	39-30-2045R	4	4	....\$ 1.49	\$.124	\$.88
304590CK	39-30-2056R	4	5	....\$ 1.55	\$.90	\$.72

Right Angle Headers w/ Pegs

304602CK	39-30-3035R	5	3	..\$ 1.02	\$.59	\$.482
304611CK	39-30-3045R	5	4	....\$ 1.05	\$.96	\$.542
304629CK	39-30-3055R	5	5	....\$ 1.55	\$.135	\$.89

Double Row Receptacles

Part No.	Product No.	Fig.	Positions	1	10	100
303562CK	39-01-2020R	6	2	....\$ .27	\$.215	\$.162
303571CK	39-01-2040R	6	4	....\$ .41	\$.341	\$.232
303589CK	39-01-2060R	6	6	....\$ .40	\$.361	\$.243
303597CK	39-01-2080R	6	8	....\$ .45	\$.406	\$.274
303600CK	39-01-2100R	6	10	....\$ .50	\$.445	\$.299
303618CK	39-01-2120R	6	12	....\$ .56	\$.501	\$.336
303626CK	39-01-2140R	6	14	....\$ .69	\$.61	\$.415
303634CK	39-01-2160R	6	16	....\$ .72	\$.62	\$.417
303642CK	39-01-2180R	6	18	....\$ .81	\$.72	\$.485
303651CK	39-01-2200R	6	20	....\$ .89	\$.79	\$.532
303669CK	39-01-2220R	6	22	....\$ 1.39	\$.109	\$.95
303677CK	39-01-2240R	6	24	....\$ .99	\$.89	\$.59

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Pos.	1	10	100
303685CK	39-01-2021R	7	2	....\$ .32	\$.264	\$.193
303693CK	39-01-2041R	7	4	....\$ .47	\$.392	\$.267
303706CK	39-01-2061R	7	6	....\$ .51	\$.364	\$.268
303714CK	39-01-2081R	7	8	....\$ .42	\$.371	\$.25
303722CK	39-01-2101R	7	10	....\$ .50	\$.445	\$.299
303731CK	39-01-2121R	7	12	....\$ .51	\$.454	\$.305
303749CK	39-01-2141R	7	14	....\$ .70	\$.517	\$.399
303757CK	39-01-2161R	7	16	....\$ .75	\$.59	\$.49

* These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Double Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/o Pegs – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
303845CK	39-28-1023R	8	2	....\$ .68	\$.415	\$.344
303853CK	39-28-1043R	8	4	....\$ .89	\$.76	\$.55
303861CK	39-28-1063R	8	6	....\$ 1.19	\$.95	\$.65
303870CK	39-28-1083R	8	8	....\$ 1.39	\$.119	\$.85
303888CK	39-28-1103R	8	10	....\$ 1.65	\$.145	\$.96
303896CK	39-28-1123R	8	12	....\$ 1.79	\$.127	\$.888
303909CK	39-28-1143R	8	14	....\$ 2.25	\$.198	1.39
303917CK	39-28-1163R	8	16	....\$ 2.49	\$.211	1.46
303925CK	39-28-1183R	8	18	....\$ 2.89	\$.256	1.71
303933CK	39-28-1203R	8	20	....\$ 3.39	\$.295	2.01
303941CK	39-28-1223R	8	22	....\$ 3.15	\$.246	1.68
303950CK	39-28-1243R	8	24	....\$ 3.79	\$.316	2.25

Vertical Headers w/o Pegs – Gold Plated, 30μ"R

303968CK	39-29-0023R	8	2	....\$ .89	\$.69	\$.59
303976CK	39-29-0043R	8	4	....\$ 2.05	\$.181	1.07
303984CK	39-29-0063R	8	6	....\$ 3.29	\$.285	2.00
303992CK	39-29-0083R	8	8	....\$ 4.45	\$.397	2.65
304004CK	39-29-0103R	8	10	....\$ 5.05	\$.447	2.99
304012CK	39-29-0123R	8	12	....\$ 5.65	\$.522	3.49
304021CK	39-29-0143R	8	14	....\$ 6.85	\$.608	4.07
304039CK	39-29-0163R	8	16	....\$ 7.75	\$.687	4.59
304047CK	39-29-0183R	8	18	....\$ 8.65	\$.768	5.14
304055CK	39-29-0203R	8	20	....\$ 9.15	\$.812	5.43
304063CK	39-29-0223R	8	22	....\$ 10.55	\$.930	6.22
304071CK	39-29-0243R	8	24	....\$ 11.49	\$.1058	6.76

Right Angle Headers w/ Pegs – Tin Plated

304080CK	39-30-1020R	9	2	....\$ .64	\$.61	\$.51
304098CK	39-30-1040R	9	4	....\$ .65	\$.49	\$.47
304101CK	39-30-1060R	9	6	....\$ 1.31	\$.82	\$.59
304119CK	39-30-1080R	9	8	....\$ 1.48	\$.98	\$.74
304127CK	39-30-1100R	9	10	....\$ 1.79	\$.119	\$.85
304135CK	39-30-1120R	9	12	....\$ 2.49	\$.216	1.47
304143CK	39-30-1140R	9	14	....\$ 2.75	\$.238	1.62
304151CK	39-30-1160R	9	16	....\$ 3.05	\$.235	1.70
304160CK	39-30-1180R	9	18	....\$ 3.39	\$.305	2.05
304178CK	39-30-1200R	9	20	....\$ 3.95	\$.349	2.33
304186CK	39-30-1220R	9	22	....\$ 4.45	\$.392	2.61
304194CK	39-30-1240R	9	24	....\$ 4.95	\$.439	2.92

Strain Reliefs

- Voltage: 600V • Current: 9A
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.

Part No.	Product No.	Fig.	Pos.	1	10	100
304637CK	15-04-0296R	11	6	....\$ 1.05	\$.99	\$.95
304645CK	15-04-0343R	11	8	....\$ 1.14	\$.108	\$.98
304653CK	15-04-0345R	11	12	....\$ 1.15	\$.109	\$.98

Double Row Headers (Continued)

Right Angle Headers w/ Pegs – Gold Plated, 30μ"R

Part No.	Product No.	Fig.	Pos.	1	10	100
304207CK	39-30-1021R	9	2	..\$ 1.69	\$.150	\$.100
304215CK	39-30-1041R	9	4	....\$ 2.15	\$.190	1.26
304223CK	39-30-1061R	9	6	....\$ 2.65	\$.236	1.57
304231CK	39-30-1081R	9	8	....\$ 3.19	\$.285	1.90
304240CK	39-30-1101R	9	10	....\$ 3.85	\$.339	2.26
304258CK	39-30-1121R	9	12	....\$ 3.29	\$.325	2.65
304266CK	39-30-1141R	9	14	....\$ 5.25	\$.467	3.12
304274CK	39-30-1161R	9	16	....\$ 6.05	\$.541	3.60
304282CK	39-30-1181R	9	18	....\$ 4.55	\$.439	3.44
304291CK	39-30-1201R	9	20	....\$ 7.25	\$.647	4.31
304303CK	39-30-1221R	9	22	....\$ 8.65	\$.770	5.13
304311CK	39-30-1241R	9	24	....\$ 10.15	\$.905	6.03

Right Angle Headers w/ Flange – Tin Plated

304320CK	39-29-1028	10	2	55	42	39
304338CK	39-29-1048	10	4	69	52	49
304346CK	39-29-1068	10	6	89	68	65
304354CK	39-29-1088	10	8	105	79	75
304362CK	39-29-1108	10	10	155	155	116
304371CK	39-29-1128	10	12	215	181	136
304389CK	39-29-1148	10	14	269	223	163
304397CK	39-29-1168	10	16	269	246	184
304400CK	39-29-1188	10	18	315	282	188
304418CK	39-29-1208	10	20	375	332	221
304426CK	39-29-1228	10	22	385	341	228
304434CK	39-29-1248	10	24	469	397	278

Right Angle Headers w/ Flange – Gold Plated, 30μ"R

304442CK	39-29-5023R	10	2	..\$ 1.65	\$.143	\$.96
304451CK	39-29-5043R	10	4	....\$ 1.85	\$.164	1.10
304469CK	39-29-5063R	10	6	....\$ 2.75	\$.238	1.62
304477CK	39-29-5083R	10	8	....\$ 3.09	\$.275	1.83
304485CK	39-29-5103R	10	10	....\$ 4.09	\$.365	2.43
304493CK	39-29-5123R	10	12	....\$ 4.15	\$.366	2.44
304506CK	39-29-5143R	10	14	....\$ 5.15	\$.455	3.04
304514CK	39-29-5163R	10	16	....\$ 5.89	\$.522	3.49
304522CK	39-29-5183R	10	18	....\$ 6.75	\$.599	4.01
304531CK	39-29-5203R	10	20	....\$ 7.29	\$.647	4.32
304549CK	39-29-5223R	10	22	....\$ 8.65	\$.768	5.13
304557CK	39-29-5243R	10	24	....\$ 8.65	\$.818	5.47

Hand Tools for Mini-Fit Jr.



304928CK: Crimp tool

- Accepts wire range from 14-24 AWG

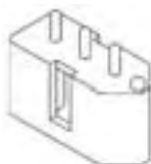
304936CK: Extraction tool

Part No.	Product No.	1	5
304928CK	63811-1000⊕	\$42.99	\$39.99
304936CK	11-03-0044⊕	19.99	18.99

molex .198" (5.03mm) Pitch Pin & Socket Shrouded Headers

Centers Crimp Style

- 3, 4, 6, 9, 12 and 15 circuits available
- Pre-assembled
- Intermix of male and female terminals for polarization
- Polarized housing design assures proper mating
- Voltage: 250V • Current: 5.0A
- Dielectric withstanding voltage: 1500VAC min.
- Contact resistance: 10mΩ max.
- Polyester UL94V-0
- Brass or phosphor bronze contacts, tin plating
- Temp. range: -40°C to 105°C



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete .198" Series Offering at www.Jameco.com/Prod/Molex198

molex Crimp Terminals

6482 Crimp Terminal

- 14-18 AWG

5298 Board-In Stand Alone Crimp Terminal

- 18-22 AWG
- Male
- Tin plated brass contact

5190 Board-In Stand Alone Crimp Terminal

- 22-26 AWG • Male



5298



5190

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Crimp Terminal Offering at www.Jameco.com/Prod/MolexCrimpTerminals

molex .175" (4.45mm) Common Crimp Housings

Receptacle

- Female
- Replaces terminal blocks
- Stackable side-by-side
- Polarizing key available
- Fewer parts for inventory
- Simplified service
- Vertical • UL 94V-0
- Circuit number identification



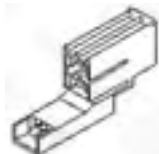
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See Our Complete .175" Offering at www.Jameco.com/Prod/MolexCrimpHousing

molex Flat Blade Micro Switch Crimp Housings

Receptacle

- Female
- PA Polyamide (Nylon) 6/6
- Temp. range: -30° to 105°C
- Vertical
- UL 94V-2



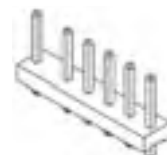
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See Our Complete Flat Blade Housing Offering at www.Jameco.com/Prod/MolexCrimpHousing

molex SPOX™ Series Connectors

The 2.50 to 7.92 mm (.098 and .312") pitch SPOX (springbox) contact design Wire-to-Board system ensures reliable contact interfaces.

- Wire-to-Board, Board-to-Board
- 2 to 20 Circuits 2.50 mm (.098")
- 2 to 12 Circuits 3.96 mm (.156")
- 2 to 9 Circuits 5.08 mm (.200")
- 3 to 5 Circuits 7.92 mm (.312")
- 4.0 to 7.0 A, 250 V
- Tin plating
- Crimp termination
- Through-hole
- 18 to 28 AWG
- Top, side and bottom entry versions enable Board-to-Board solutions
- Box design protects contact surface and eliminates 'fish-hooking' issues
- Terminals offer 4 points of contact
- Locking ramps provide retention to friction lock headers
- Ribs provide side-to-side polarization
- Voided version has second circuit blanked for polarization



Straight Header



Right Angle Header



Straight Header



Right Angle Header



Housing



Housing



Terminal



Terminal

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete SPOX Connector Series Offering at www.Jameco.com/Prod/MolexSPOX

AMP AMPMODU™ MTE Interconnection System

Breakaway Headers • Single-row

- Unshrouded

Low-Profile Headers

- Shrouded with ejection latches

- Square straight post • Double-row

MTE Pin and Receptacle Assemblies

- Single-row • Polarized/latching

Mod IV Receptacle Contacts

- Standard/intermediate and high pressure

Mod IV Wire Applied Housings

- Single/double row

- Polarized with detent latching • Center polarized • Non polarized

Post Shunts

- 2 position • Low-profile

Interchangeable Contacts

- Wire crimp snap-in pins

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP AMPMODU MTE Connector Offering at www.Jameco.com/Prod/AMPMODUMTE

AMP Mate-N-Lok™ Connectors

Wire to Board Connectors

- Wire application side
- PC board application side
- Panel mount applications
- Economy Interconnection (EI) series



Universal Connectors

- PC board vertical pin headers
- Free hanging or panel mount housings
- Tin and gold, crimp and solder

Commercial Connectors

- PC board vertical pin headers
- Free hanging and panel housings
- Positive lock • Motor mount, dual row

Miniature Rectangular Connectors

- Free hanging and panel housings
- 2 and 3 circuit, in-line

Signal Contacts

- Type III+, crimp and snap-in

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See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMateNLoc

molex Pitch Headers

- Nylon 6/6, UL 94V-2
- Temp. range: -40° to 105°C
- Voltage: 250V • Current: 7.0A
- Dielectric withstanding voltage: 1500VAC min.
- Contact resistance: 10mΩ max.

.200" (5.08) Right Angle, Square Pin

- Sizes: 2 to 7 circuits

.156" (3.96) Vertical

- Sizes: 2 to 12 circuits



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Pitch Headers Offering at www.Jameco.com/Prod/MolexPitchHeaders

Connector Tools

AT-200 Hand Held Pneumatic Tool Hand Crimp Tool

Semi-Automatic Crimp Tool Kits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Tools Offering at www.Jameco.com/Prod/MolexTools



.200" (5.08mm) Pitch PC Board Connectors

Bottom Entry

- Sizes: 3 to 6 circuits
- Nylon 6/6, UL 94V-2
- Temp. range: -40° to 105°C
- Voltage: 250V • Current: 7.0A
- Dielectric withstand voltage: 1500VAC min.
- Contact resistance: 8mΩ max.

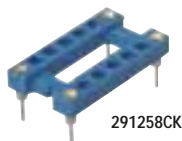
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See Our Complete 0.200" Connector Offering at
www.Jameco.com/Prod/Molex200



Oscillator Sockets

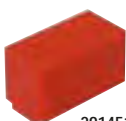
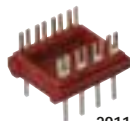
- Body material: blue UL 94V-0 glass filled polyester thermoplastic
- Brass alloy pin, 1/2 hard w/ 200μ" (5.08μm) 93/7 tin/lead plating
- Contact current: 3A
- Center pin spacing: .300" (7.62mm)
- Operating temperature: 221°F (105°C)
- Suggested PCB hole size: .030" (.76mm)



Part No.	Prod. No.	Pos.	L" x W"	1	10	100
291282CK	1108800	8	.40 x .40	..	\$56	..
291258CK	1107741	14	.70 x .40	....	.56	..



DIP Headers and Header Covers



- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon

Series 600 Headers w/ Coined Contacts

- Contact plating: 100μ" min., tin
- Contact rating: 2A
- Operating temp.: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads

Part No.	Product No.	Pos.	*W (in.)	1	10	100
291119CK	08-600-10	8	0.300	\$1.09	..	\$79
291311CK	14-600-10	14	0.300	1.55	1.37	1.11
291573CK	16-600-10	16	0.300	1.69	1.49	1.22
291872CK	18-600-10	18	0.300	1.89	1.67	1.35
291944CK	20-600-10	20	0.300	2.05	1.79	1.45
291995CK	24-600-10	24	0.600	2.49	2.19	1.79
295128CK	28-600-10	28	0.600	2.89	2.55	2.06

* Center to center pin width

Series 650 Header Covers

Part No.	Prod. No.	Pos.	*Ht. (in.)	1	10	100
291127CK	08-650-10	8	0.125	..	\$48	..
291338CK	14-650-10	14	0.125	....	.49	..
291451CK	14-650-20	14	0.375	....	.53	..
291653CK	16-650-10	16	0.125	....	.52	..
291661CK	16-650-20	16	0.375	....	.52	..
291881CK	18-650-10	18	0.125	....	.61	..
291952CK	20-650-10	20	0.125	....	.60	..
292007CK	24-650-10	24	0.125	....	.67	..
292023CK	24-650-20	24	0.375	....	.79	..
295136CK	28-650-10	28	0.125	....	.87	..

* Max. component height



Universal SOIC to .600" DIP Adapter

NEW

Series 647

- 44-pin adapter for mounting Aries Series 547 Universal SOIC ZIF test socket to 0.600" DIP PCB layout
- Black FR-4 body material, 0.094" thick with copper traces
- Brass alloy female pin body with 200μ" (5.08μm) tin/lead plating
- Beryllium copper 4-fingered collet contact with 10μ" (0.25μm) gold over nickel plating
- Phosphor bronze alloy male pin with 200μ" (5.08μm) tin / lead plating
- Contact current rating: 3A
- Suggested PCB hole size: 0.028" diameter



Part No.	Product No.	Price
295283CK	44-647-10	\$60.90



SOIC/SOJ to DIP Adapters

- Board material: 0.062" thick FR-4 with 1 oz. copper traces on both sides
- Brass alloy pins with 200μ" (5.08μm) minimum tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.

Series 35000X

- Center pins: 0.300" (7.62mm)
- SOIC package (except 291928CK – SOJ)



Part No.	Product No.	Pins	L"xW"	1	10	100
291207CK	08-350000-10	8	.400 x .46	\$6.59	\$5.59	\$4.50
291291CK	14-350000-10	14	.700 x .45	6.55	5.55	4.62
291514CK	16-350000-10	16	.800 x .45	6.55	5.59	4.65
291864CK	18-350000-10	18	.900 x .45	6.55	5.55	4.70
291910CK	20-350000-10	20	1.0 x .45	6.55	5.55	4.59
291928CK	20-350001-10	20	1.0 x .42	6.05	5.99	5.35
291979CK	24-350000-10	24	1.2 x .45	4.45	4.33	4.23
292074CK	28-350000-10	28	1.4 x .40	6.05	5.89	5.85

Series 45000X

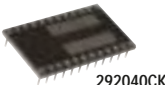
- Center pins: 0.400" (10.16mm)
- SOJ package



Part No.	Product No.	Pins	L"xW"	1	10	100
295179CK	32-450001-10	32	1.6 x .53	\$9.09	\$8.99	\$8.89

Series 65000X

- Center pins: 0.600" (15.24mm)
- SOIC package (except 295187CK – SOJ)



Part No.	Product No.	Pins	L"xW"	1	10	100
295187CK	32-650000-10	32	1.6 x .70	\$10.35	\$10.25	\$10.15
292040CK	24-650000-10	24	1.2 x .70	9.19	8.55	7.09
295144CK	28-650000-10	28	1.4 x .70	10.35	10.25	10.15



EJECT-A-DIP DIP Collet Sockets

With Solder Tail Pins

- Latch and body: UL 94V-0 glass-filled polyester thermoplastic
- Brass alloy pin body w/ 200μ" (5.08μm) 93/7 tin/lead plating
- Beryllium copper alloy 6-fingered collet contact w/ 10μ" (0.25μm) gold plating
- Contact current: 3A
- Insulation resistance: 10,000MΩ @ 500VDC
- Withstanding voltage: 1000VRMS
- Operating temp.: -67°F to 257°F (-55°C to 105°C)
- Center pins: 291493CK/291830CK – 0.300"; 295216CK/295259CK – 0.600"
- Suggested PCB hole size: 0.030" (0.76mm) Dia.



Vertical Mount

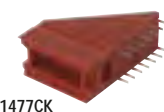
Part No.	Product No.	Pins	L"xW"	1	10	100
291493CK	14-C280-10	14	0.95 x .40	\$3.09	\$2.49	\$1.85
291830CK	16-C280-10	16	1.05 x .40	3.29	2.65	1.99
295216CK	32-C182-10	32	1.89 x .70	5.55	4.49	3.85
295259CK	40-C182-10	40	2.29 x .70	7.05	5.69	4.89



Series 800 Vertisockets

With Bifurcated Contacts

- Body material: UL 94-HB glass filled nylon
- Phosphor bronze spring tempered bifurcated contacts
- Contact plating: 100μ" (2.54μm) tin or 10μ" (.254μm) gold
- Contact current: 1.5A
- Suggested PCB hole size: 0.044" (1.12mm) dia.
- Gold plated (except 296770CK – tin plated)
- Center pins: 0.300" (except 291231CK – 0.200")



Vertical Mount

Part No.	Product No.	Pins	L"xW"	1	10	100
291231CK	10-2810-90	10	1.0 x .29	\$4.99	\$4.19	\$3.39
291477CK	14-810-90R	14	1.4 x .39	2.69	2.39	1.85
296770CK	14-810-90T	14	1.4 x .39	3.65	3.25	2.49

Horizontal Mount

Part No.	Product No.	Pins	L"xW"	1	10	100
291485CK	14-823-90	14	1.4 x .39	\$4.15	\$3.69	\$2.85

Horizontal Mounting w/ Collet Contacts

- Body material: UL 94-HB glass filled nylon
- Brass alloy pin body w/ 200μ" (5.07μm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contacts
- Contact current: 3A • Center pins: 0.300" (7.62mm)
- Suggested PCB hole size: 0.035" (0.89mm) dia.



Part No.	Product No.	Pins	L"xW"	1	10	100
295241CK	40-6823-10	40	2.0 x .70	\$12.69	\$11.19	\$8.79

Surface Mount Prototyping Boards

See page 297

Compare Our Awesome Prices in Sockets!

Jameco Part No.	Description	Jameco Price	Digi-Key Price	Mouser Price	Minimum Savings	Discount
102744CK	ZIF Socket, 28-pin, Low Profile	\$5.49	\$6.50	\$6.50	\$1.01	15.5%
152696CK	PLCC Socket, 68-pin, SMD	\$0.34	\$1.04	\$0.93	\$0.59	63.4%
39394CK	IC Socket, Wire Wrap, 24-pin, Gold, .6"W	\$1.85	\$3.49	\$2.16	\$0.31	14.4%
39351CK	Machine Tooled Socket, 24-pin, Low Profile Solder Tail	\$0.65	\$1.95	\$0.77	\$0.12	15.6%
196832CK	IC Socket, Wire Wrap, 14-pin, Gold, .3"W	\$1.05	\$2.04	\$1.26	\$0.21	16.7%

These are single unit prices taken from each party's website on February 28, 2006, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.



Row-to-Row DIP Adapter Socket

These sockets allow the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice versa.

- Socket body: UL 94-HB glass-filled nylon
- Brass alloy pin body w/ 200µ" (1.27µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contact w/ 30µ" (0.76µm) gold plating
- Contact current: 3A
- Suggested PCB hole size: .035" (.89mm) dia.



Series 1106396 - .300" to .600" adapter

Part No.	Product No.	Pins	1	10	100
296737CK	1106396-24	24	\$9.69	\$7.39	\$6.79
296745CK	1106396-28	28	10.89	8.29	7.55

Series 1107254 - .600" to .300" adapter

Part No.	Product No.	Pins	1	10	100
296753CK	1107254-24	24	\$9.69	\$7.39	\$6.79
296761CK	1107254-28	28	10.89	8.29	7.55



DIP/SOIC to TO Adapter

8-pin DIP socket or 8-pin SOIC footprint on top and a circular 8-pin TO can male footprint at the bottom. ICs now available only in 8-pin DIP or SOIC can be readily mounted on boards having TO thru-hole footprints without having to redesign the board.

- Board thickness: .062"
- Male pin: brass alloy with 200µ" tin plating
- Suggested PCB hole size: .028" Dia.



323272CK: DIP to TO adapter

- Socket body: black UL 94V-0
- Female pin: brass alloy with 10µ" gold plating
- Female pin contact: beryllium copper with 10µ" gold plating
- Accepts leads .015" to .025" Dia.;
- .100" to .125" long • Current rating: 3A
- Dimensions: 0.4" L x 0.4" W x 0.23" H

323264CK: SOIC to TO adapter

- 1 oz. copper traces on both sides • Size: 0.375" Dia.

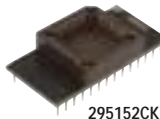
Part No.	Product No.	1	10	100
323272CK	1109522	\$8.35	\$7.89	\$7.49
323264CK	1109814	11.09	10.29	9.85



PLCC-to-DIP Adapter with Socket

Series 653000

- Converts PLCC packaged ICs to DIP footprints
- Adapter body: FR-4; .062" (1.58mm) thick with 1 oz. minimum copper traces
- Brass alloy solder tail pins w/ 200µ" (5.08µm) 93/7 tin/lead • Current rating: 1A
- Center pins: .600" (15.24mm) • Width: .705"
- Suggested PCB hole size: .028" (.71mm) Dia.



Part No.	Product No.	Pos.	Length	1	10	100
295152CK	28-653000-10	28	1.4"	\$23.59	\$23.49	\$23.39
295195CK	32-653000-10	32	1.6"	35.65	32.65	27.05

Can't find it in the catalog? Try our new and improved website with parametric search.



High Temp. Universal Zero Insertion DIP Test

Series X55X

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel;
- -11: 10µ" gold over 50µ" nickel
- Operating temperature: -10: 221°F (105°C) – tin plating -11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Contact current: 1A
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 1000VAC
- Center pins: 0.600" (15.24mm)

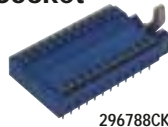


Part No.	Product No.	Pins	L" x W"	1	10	100
292058CK	26-6554-11	26	1.3 x 0.9	\$10.95	\$9.59	\$9.55
295161CK	28-6554-11	28	1.4 x 0.9	11.85	10.39	10.25
295208CK	32-6554-11	32	1.6 x 0.9	13.15	11.49	11.39
295232CK	40-6554-11	40	2.0 x 0.9	15.69	13.79	13.69
103991CK	24-6554-10	24	1.8 x 0.9	7.49	6.79	5.99
104002CK	28-6554-10	28	2.0 x 0.9	8.45	7.39	7.15
104011CK	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104029CK	40-6554-10	40	2.5 x 0.9	11.25	9.80	9.45



Series 526 Low Profile ZIF Socket

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Zinc alloy cam • Contact current: 2A
- Contact resistance: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.



Part No.	Product No.	Pins	L" x W"	1	10	100
296788CK	24-526-10	24	1.45 x .75	\$5.65	\$5.19	\$4.39
102744CK	28-526-10	28	1.64 x .75	5.49	4.99	4.49
102752CK	40-526-10	40	2.24 x .75	7.35	6.65	5.89

When to Mix Apples & Oranges

Clearly we know that DIP sockets were devised for DIP semiconductors and SMT semis mount straight onto the PCB. We also know that prototyping SMT devices is much more difficult than DIP because of the package.

So how do you make prototyping SMT-only products much faster and easier? Just use a DIP socket! No, I'm not writing crazy talk... check out the Bellin Dynamic Systems SMT proto boards on page 297. Simply solder your devices to these carrier boards once. The DIP pins on the underside plug into your DIP sockets, so you can plug and exchange them like lego building blocks and then reuse them in future prototyping endeavors.



Practical Practices
Money Saving Tips for the Engineer

Cinch Jones Plugs and Sockets

Multiple-Density Solder-Eyelet Connectors with Hood and 180° Clamp

- Insulation material: molded mono-block, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Hood material: UL 94V-0 rated thermoplastic
- Operating voltage: 250 VAC RMS maximum
- Current rating: 10 amps
- Contact resistance: 16mΩ max.



Plugs

Part No.	Product No.	Contacts	1	25
248760CK	P-302-CCT	2	\$2.15	\$1.96
248778CK	P-303-CCT	3	2.39	2.15
248786CK	P-304-CCT	4	3.09	2.49
248794CK	P-306-CCT	6	2.89	2.62

Sockets

Part No.	Product No.	Contacts	1	25
248807CK	S-302-CCT	2	\$2.29	\$2.11
248815CK	S-303-CCT	3	2.69	2.43
248823CK	S-304-CCT	4	2.69	2.46
248831CK	S-306-CCT	6	3.09	2.80

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/CinchJones



Machine Contact Single-In-Line Female Sockets

- Machine tooled • Single row
- Solder tail and wire wrap



Part No.	Description	1	10	100	500
102200CK	10-pin	\$0.25	\$0.22	\$0.20	\$0.18
78641CK	30-pin	.89	.80	.68	.61
175919CK	36-pin	1.19	1.09	.97	.87
101282CK	20-pin WW2	1.49	1.35	1.09	.85
104053CK	30-pin WW3	1.95	1.75	1.49	1.35

† Lead length: .435"(2) * Lead length: .575"(3)

Other Manufacturers — Great Deals

192840CK	Single x 11-pin	\$0.44	\$0.40	\$0.32	\$0.24
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Machine Contact Dual-In-Line Female Sockets

- 0.100" centers
- Solder tail contact: .114"L
- Pin sleeve: tin
- Contact clip: gold



Part No.	Cross Ref. No.	Pins	1	10	100
212855CK	SA101000	10	\$0.29	\$0.23	\$0.21
212863CK	SA121000	12	.30	.28	.25
212871CK	SA141000	14	.35	.33	.30
212880CK	SA161000	16	.40	.37	.34
212898CK	SA181000	18	.45	.42	.38
184612CK	SA201000	20	.50	.46	.42
212901CK	SA221000	22	.55	.51	.47
212919CK	SA241000	24	.60	.56	.51
212927CK	SA321000	32	.80	.74	.68
212935CK	SA481000	48	1.20	1.11	1.01

JAMECO
ValuePro

.100" and 2mm Shorting Blocks



22023CK (open) 112432CK (closed) 152670CK (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
 - Mate with male headers, left
- Pin material: phosphor bronze

Open: open on top to allow for a test point

Closed: closed top

119263CK: 2mm shorting block (for disk drives)

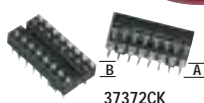
- Minimum order 10 pieces

Part No.	Description	10	100	1000
22023CK	Top open, black (.100")	\$.12	\$.09	\$.06
119263CK	Top open, black (2mm)	.15	.13	.11
112424CK	Top open, blue (.100")	.133	.099	.067
112416CK	Top open, red (.100")	.12	.09	.06
19140CK	Top closed, black (.100")	.12	.09	.06
112441CK	Top closed, blue (.100")	.12	.09	.06
112432CK	Top closed, red (.100")	.20	.18	.12
152670CK	Top closed, black (.100")	.19	.15	.12

JAMECO
ValuePro

Dual Wipe Solder Tail Low-Profile Sockets

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A) • Body ht.: .188" (B)
- Minimum order 10 pieces



Part No.	Cross Ref. No.	Pins	Width (in.)	10	100	1000
112192CK	6LPD	6	0.3 ...	\$.09	\$.06	\$.05
112205CK	8LPD	8	0.3 ...	.09	.08	.07
112213CK	14LPD	14	0.3 ...	.10	.075	.05
112221CK	16LPD	16	0.3 ...	.13	.115	.095
112230CK	18LPD	18	0.3 ...	.16	.14	.12
307977CK	22LPD	22	0.3 ...	.14	.14	.12
112281CK	24SLPD	24	0.3 ...	.14	.13	.09
112265CK	24LPD	24	0.6 ...	.158	.129	.089
112299CK	28SLPD	28	0.3 ...	.21	.19	.17
112301CK	32LPD	32	0.6 ...	.26	.23	.173
112310CK	40LPD	40	0.6 ...	.26	.23	.19
167396CK	48LPD	48	0.6 ...	.26	.23	.21

Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

Part No.	Cross Ref. No.	Pins	Width (in.)	10	100	1000
51570CK	8LP	8	0.3 ...	\$.063	\$.054	\$.045
37161CK	14LP	14	0.3 ...	.081	.063	.054
37372CK	16LP	16	0.3 ...	.09	.081	.054
38113CK	18LP	18	0.3 ...	.099	.084	.063
38607CK	20LP	20	0.3 ...	.108	.09	.063
112248CK	20LPD	20	0.3 ...	.153	.13	.098
39132CK	22LP	22	0.4 ...	.108	.10	.095
39378CK	24SLP	24	0.3 ...	.153	.13	.098
39335CK	24LP	24	0.6 ...	.16	.15	.11
112264CK	24LPD	24	0.6 ...	.158	.136	.122
40301CK	28LP	28	0.6 ...	.171	.117	.081
112272CK	28LPD	28	0.6 ...	.19	.16	.14
41110CK	40LP	40	0.6 ...	.171	.153	.108
112326CK	64LPD	64	0.9 ...	.162	.139	.104

† Dual Wipe

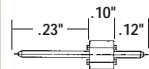
JAMECO ValuePro

.100" Male Headers (Gold)

- Solder to PC boards for instant plug-in access via shorting blocks, right
- Insulator: UL94V-0 polyester
- Snap apart to fit your application
- Contact material: phosphor bronze
- Current rating: 1 amp • Contact area: gold
- Temperature range: -55°C to +120°C
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 136

*Minimum order 10 pieces

.100" Straight Male Headers



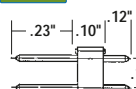
Single Row

109575CK

Part No.	Cross					
	Ref. No.	Contacts	1	10	100	1000
108337CK	SMH02	2	..... *	\$.16	\$.14	\$.13
109575CK	SMH03	3	..... *	.17	.15	.135
117559CK	SMH04	4	..... *	.17	.15	.135
153699CK	SMH06	6	..... *	.17	.15	.135
153701CK	SMH08	8	..... *	.20	.17	.15
103392CK	SMH10	10	..... *	.18	.14	.10
103376CK	SMH17	17	..... *	.16	.14	.13
103368CK	SMH20	20	..... *	.25	.23	.21
202825CK	SMH22	22	..... *	.25	.233	.21
103350CK	SMH25	25	..... *	.25	.21	.16
103341CK	SMH30	30	..... .35	.31	.28	.25
68339CK	SMH36	36	..... .42	.38	.34	.29
160881CK	SMH40	40	..... .49	.44	.40	.36

JAMECO
ValuePro

.100" Straight Male Headers



Double Row

67820CK

	Cross					
Part No.	Ref. No.	Contacts	1	10	100	1000
115027CK	923804DS⊕	4	*	\$.10	\$.09	\$.07
115035CK	923806DS⊕	6	*	.18	.16	.14
109516CK	923808DS⊕	8	*	.18	.16	.14
67820CK	923810DS⊕	10	*	.18	.16	.14
203810CK	923812DS⊕	12 .....	.60	.55	.49	.44
118455CK	923814DS⊕	14 .....	.45	.40	.36	.33
109567CK	923816DS⊕	16 .....	.55	.49	.45	.39
203828CK	923818DS⊕	18 .....	.65	.59	.55	.47
53479CK	923820DS⊕	20 .....	.59	.55	.48	.43
203836CK	923822DS⊕	22 .....	.70	.63	.50	.38
203844CK	923824DS⊕	24 .....	.70	.65	.59	.49
203852CK	923828DS⊕	28 .....	.75	.69	.55	.39
203879CK	923830DS⊕	30 .....	.75	.69	.61	.50
203861CK	923832DS⊕	32 .....	.75	.68	.54	.40
53516CK	923834DS⊕	34 .....	.75	.69	.61	.55
203887CK	923836DS⊕	36 .....	.99	.89	.79	.43
203895CK	923838DS	38 .....	.89	.80	.72	.54
53559CK	923850DS⊕	50 .....	.60	.55	.49	.45
68574CK	923860DS⊕	60 .....	.70	.65	.59	.55
103405CK	923872DS⊕	72 .....	.85	.75	.69	.59
117196CK	923880DS⊕	80 .....	.90	.80	.75	.65

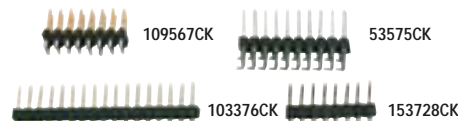
Other Manufacturers — Great Deals

53495CK	923826DS	26	.....	\$ .32	\$.29	\$.23	\$.172
53532CK	923840DS	40	.....	.59	.53	.42	.31

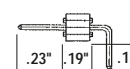
30-Day Money-Back Guarantee

If you're not satisfied with your purchase, return the product within 30 days. Details on page 309.

A Jameco
EXCLUSIVE



.100" Right Angle Male Headers



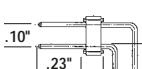
Single Row

153728CK

Part No.	Cross	Contacts	1	10	100	1000
	Ref. No.					
153728CK	RMH08⊕	8	\$.45	\$.40	\$.30	\$.25
103270CK	RMH36⊕	36 .....	.75	.64	.58	.41

JAMECO
ValuePro

.100" Right Angle Male Headers



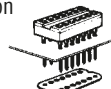
Double Row

53575CK

Cross			535/5CK				
Part No.	Ref. No.	Contacts	1	10	100	1000	
203908CK	923804DR⊕	4	.....	\$.38	\$.34	\$.31	\$.28
203916CK	923806DR⊕	6	.....	.49	.44	.30	.24
203924CK	923808DR⊕	8	.....	.49	.44	.35	.26
203932CK	923810DR⊕	10	.....	.59	.53	.48	.39
203941CK	923812DR⊕	12	.....	.59	.53	.42	.31
203959CK	923814DR⊕	14	.....	.65	.58	.47	.34
203967CK	923816DR⊕	16	.....	.65	.59	.53	.43
203975CK	923818DR⊕	18	.....	.75	.68	.59	.43
53575CK	923820DR⊕	20	.....	.65	.59	.53	.47
203983CK	923822DR⊕	22	.....	.65	.58	.47	.34
203991CK	923824DR⊕	24	.....	.65	.58	.47	.34
53583CK	923826DR⊕	26	.....	.69	.62	.51	.36
204003CK	923828DR⊕	28	.....	.69	.62	.50	.37
204011CK	923830DR⊕	30	.....	.75	.68	.54	.40
204020CK	923832DR⊕	32	.....	.75	.68	.54	.40
204038CK	923834DR⊕	34	.....	.85	.76	.69	.50
204046CK	923836DR⊕	36	.....	.75	.68	.61	.50
204054CK	923838DR⊕	38	.....	.75	.68	.54	.40
53604CK	923840DR⊕	40	.....	.85	.75	.57	.50
53612CK	923850DR⊕	50	.....	.85	.75	.57	.50
103413CK	923872DR⊕	72	1.15	.99	.89	.75	
139563CK	923880DR⊕	80	1.35	1.19	1.09	.99	

Wire Wrap Socket I.D. Markers

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Plastic
- Can easily write location, part number or function



Jov

37145CK

Part No.	Prod. No.	Pins	Width (in.)	1	10	100	500
51561CK	8ID	8	0.3 ...	\$.44	\$.35	\$.30	\$.28
37145CK	14ID	14	0.3 ...	.35	.31	.28	.24
37356CK	16ID	16	0.3 ...	.29	.26	.25	.23
38105CK	18ID	18	0.3 ...	.49	.45	.39	.35
38586CK	20ID	20	0.3 ...	.55	.49	.45	.41
39327CK	24ID	24	0.6 ...	.59	.52	.43	.38
40299CK	28ID	28	0.6 ...	.65	.55	.47	.45
41101CK	40ID	40	0.6 ...	.89	.79	.69	.65

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)
- Body height: .300" (A)

Blue Part No. = Limited Quantity Available

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37233CK	14WW2	14	0.3	\$1.49	\$1.35	\$1.19	\$1.09
37479CK	16WW2	16	0.3	1.75	1.59	1.43	1.29
196859CK	18WW3	18	0.3	1.55	1.37	1.20	1.09
38674CK	20WW2	20	0.3	2.25	1.99	1.82	1.65
39394CK	24WW2	24	0.6	1.85	1.63	1.43	1.33
40352CK	28WW2	28	0.6	2.19	1.99	1.75	1.60

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37217CK	14TWW2	14	0.3	\$1.15	\$1.03	\$0.93	\$0.84
37436CK	16TWW2	16	0.3	.99	.89	.73	.67
87636CK	18TWW2	18	0.3	1.09	.88	.89	.88
75379CK	20TWW2	20	0.3	1.69	1.52	1.35	1.23
75416CK	24TWW2	24	0.6	1.49	1.35	1.09	.79
41179CK	40TWW2	40	0.6	2.49	2.15	1.79	1.59

Other Manufacturers — Great Deals

196832CK	14WW1	14	0.3	\$1.05	\$0.94	\$0.76	\$0.57
196841CK	14TWW3	14	0.3	.82	.74	.59	.44

Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300Vrms
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ
- Sleeve material: brass • Body height: .115" (A)
- Thru-hole lead length: .365" (L2); .515" (L3)

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	500
94473CK	8MSWW3	8	0.3	\$0.53	\$0.46	\$0.38	\$0.34
62050CK	14MSWW3	14	0.3	.93	.80	.67	.60
37410CK	16MSWW3	16	0.3	1.09	.93	.78	.69
94481CK	18MSWW3	18	0.3	1.09	.93	.78	.74
38631CK	20MSWW3	20	0.3	1.33	1.14	.95	.86
185324CK	22MSWW3	22	0.3	1.39	1.25	1.06	.97
105371CK	24MSWW3	24	0.3	1.55	1.32	1.11	.99
94490CK	24MSWW3	24	0.6	1.55	1.31	1.11	1.03
200715CK	28MSWW3	28	0.3	1.69	1.43	1.19	1.07
40336CK	28MSWW3	28	0.6	1.69	1.43	1.19	1.11
117057CK	32MSWW3	32	0.6	2.19	1.99	1.79	1.49
94502CK	40MSWW3	40	0.6	2.65	2.28	1.90	1.71
200723CK	48MSWW3	48	0.6	2.99	2.69	2.39	2.15
200731CK	64MSWW3	64	0.9	2.59	2.37	2.15	1.96

Other Manufacturers — Great Deals

192831CK	224MSWW3	22	0.4	\$0.54	\$0.49	\$0.45	\$0.40
313656CK	24MSWW3	24	0.6	1.19	1.05	.88	.79

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Material: beryllium copper or phosphor bronze
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass
- Thru-hole lead length: .177" (A)
- Body height: .117" (B)

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	1000
167003CK	6MLPT	6	0.3	\$.29	\$.26	\$.18	\$.16
51625CK	8MLP	8	0.3	.25	.22	.19	.17
37196CK	14MLP	14	0.3	.42	.38	.33	.30
37401CK	16MLP	16	0.3	.47	.43	.37	.34
65584CK	18MLP	18	0.3	.55	.49	.43	.39
38623CK	20MLP	20	0.3	.59	.55	.45	.39
39386CK	24SMLP	24	0.3	.65	.59	.53	.44
39351CK	24MLP	24	0.6	.65	.59	.53	.44
114411CK	28SMLP	28	0.3	.85	.75	.65	.55
40328CK	28MLP	28	0.6	.83	.75	.65	.59
105380CK	32MLP	32	0.6	.95	.85	.75	.65
41136CK	40MLP	40	0.6	1.19	1.05	.79	.69
42059CK	48MLP	48	0.6	1.29	1.16	1.04	.89
200707CK	64MLP	64	0.9	1.35	1.25	1.15	.99

Other Manufacturers — Great Deals

662565CK	6MLP	6	0.3	\$.25	\$.22	\$.16	\$.14
662573CK	8MLP	8	0.3	.22	.20	.17	.15
662611CK	16MLP	16	0.3	.42	.38	.33	.30
192209CK	224SMLP	22	0.4	.53	.48	.43	.39
652359CK	24MLP-GLD	24	0.6	.59	.49	.39	.25
184680CK	284SMLP	28	0.4	.80	.72	.58	.43
662629CK	40MLP	40	0.6	1.09	.95	.69	.62

PLCC Solder Tail Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"

Part No.	Cross Ref. No.	Pins	1	10	50	100
71263CK	G1P428	28	\$.56	\$.44	\$.34	\$.29
71811CK	G1P432	32	.55	.48	.41	.39
71618CK	G1P444	44	1.15	.99	.81	.69
72442CK	G1P452	52	.99	.79	.65	.55
71968CK	G1P468	68	1.15	.99	.89	.79
71976CK	G1P484	84	1.29	1.16	1.04	.88

PLCC Surface Mount Sockets

- Current: 1A
- Dielectric strength: 600VAC for 1 minute
- Insulator resistance: 5000MΩ minimum
- Temperature surface mount: -55°C/+170°C

Part No.	Cross Ref. No.	Pins	1	10	50	100
152688CK	PLCC44D	44	\$.75	\$.68	\$.61	\$.55
307951CK	850-68-99ST	68	.86	.78	.69	.66

Other Manufacturers — Great Deals

152696CK	PLCC68D	68	\$.34	\$.31	\$.28	\$.26
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SIMM Sockets

- Locking tabs
- Tinned contacts
- Memory module sockets • Keyed mounting posts

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100	500
100301CK	Single x 30-pin, vert.	\$.59	\$.53	\$.42	\$.32

Other Manufacturers — Great Deals

72531CK	Dual x 30-pin, vert.	\$.20	\$.099	\$.09	\$.082
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.050" (1.27mm) Pitch 72-Position SIMM Sockets

- Left polarization
- Tin contact plating
- Accepts JEDEC MO-116 modules
- PCB retention: press-fit plastic peg
- Current (max.): 1.0A • Voltage (max.): 250V
- Withstanding voltage: 1000VAC
- Contact resistance: 30mΩ max.
- Insulation resistance: 5000MΩ min.
- Housing: liquid crystal polymer • UL94V-0
- Contact: phosphor bronze
- Contact plating (plating thickness): gold (0.76µm; 30µm); tin/lead (5µm; 200µm)
- Durability: 25 cycles min.
- Temperature range: -40°C to +85°C

669791CK: right polarization; gold contact plating

Part No.	Prod. No.	Description	1	10	25
668481CK	15-82-0775	Vert.	\$2.99	\$2.89	\$2.80
669791CK	15-82-0778	Vert.	4.09	3.76	3.42
669804CK	15-82-0678	22.5° low prof.	4.05	3.77	3.36
670750CK	15-82-0649	40° low prof.	4.29	3.71	3.37
670784CK	15-82-1538	Rt. angle	7.25	6.69	6.07

More .050" DIMM Sockets

See page 317.



.050" (1.27mm) 184-Position DDR DIMM Sockets

- Current (max.): 1.0A
- Voltage (max.): 125V; except for 668502CK / 668511CK: 50V
- Voltage key: 2.5V, left
- Withstanding voltage: 500VAC
- Contact resistance: 30mΩ max.; except for 668511CK: 40mΩ max.
- Insulation resistance: 1000MΩ min.
- Housing: high temp. thermoplastic
- Contact: copper alloy; except for 668502CK: phosphor bronze
- Plating contact: .38µm (15µm) gold
- Plating tail: tin, lead free • UL94V-0
- Under plating: nickel • Durability: 25 cycles min.
- Temperature range: -10°C to +85°C

Part No.	Prod. No.	Description	1	10	25
668511CK	87623-2001	25° LowPro	\$7.69	\$7.39	\$7.10
668502CK	87636-2002	Vertical	1.85	1.76	1.67
668490CK	87655-0004	Rt. angle	12.75	12.19	11.63

.100" Low Profile Keyed Shrouded Header & Connector

CD-ROM 4-Pin Headers and Connector



- 152741CK
- 152725CK
- 152733CK
- Voltage rating: 250V AC/DC
- Current rating: 3A AC/DC
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding voltage: 1000V AC/1 minute
- Pin material: tin-plated brass
- Recommended crimp tool P/N 99442CK, pg 281

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Description	1	10	100	1000
152741CK	Straight header	.45	.39	.35	.29
152725CK	Rt. angle header	.55	.50	.45	.40
152733CK	Single w/ latch	.43	.37	.22	.16
181673CK	Female pins	*	.11	.08	.06

† P/N 152733CK requires 4 pins (P/N 181673CK)

.100" Non-Polarized Connector Housings & Crimp Pins

- Mates with 0.025" square post on pattern of 0.100" centers (male headers, see pg 134)
- Current rating: 1A • Plastic
- Pin material: brass/tin plated
- Pin wire gauge: 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159265CK pin crimper, pg 281 and 100765CK, below

* Minimum order 10 pieces

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100811CK	SCH2	2	\$.23	\$.21	\$.17	
157382CK	SCH3	3	.24	.22	.18	
100802CK	SCH4	4	.25	.23	.19	
163686CK	SCH5	5	.30	.27	.25	.22
103211CK	SCH6	6	.34	.31	.27	.21
103202CK	SCH8	8	.39	.35	.29	.25
103190CK	SCH10	10	.42	.39	.36	.31
103181CK	SCH20	20	.49	.45	.39	.35
103157CK	SCH36	36	.49	.45	.39	.35

Double Row

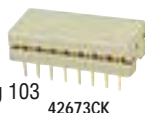
Part No.	Cross Ref.	Contacts	1	10	100	1000
103253CK	DCH8	8	\$.59	\$.53	\$.45	\$.39
157420CK	DCH10	10	.69	.62	.55	.49
157438CK	DCH14	14	.73	.71	.69	.59
103237CK	DCH16	16	.79	.71	.64	.58
103229CK	DCH20	20	.99	.89	.79	.69
157462CK	DCH40	40	1.09	.99	.89	.75
157471CK	DCH50	50	.65	.59	.53	.48

Crimp Pins for Single/Double Row Housings

Part No.	Cross Ref.	Contacts	1	10	100	1000
100765CK	FCH1	Female pin	\$.14	\$.11	\$.07	
145357CK	MCH1	Male pin	.15	.135	.12	

.100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Plastic with gold-plated contacts
- Uses 28 AWG flat ribbon cable, pg 103
- Current rating: 1 amp



Part No.	Cross Ref. No.	Width	Contacts	1	10	100	500
42657CK	609-14	0.3"	14	\$.49	\$.40	\$.35	\$.29
42673CK	609-16	0.3"	16	.55	.45	.35	.30
104096CK	609-20	0.3"	20	.69	.62	.55	.49
42690CK	609-24	0.6"	24	.79	.71	.64	.59
99670CK	609-28	0.6"	28	.89	.80	.72	.59
42711CK	609-40	0.6"	40	1.15	1.05	.95	.85

Card-Edge Connectors

- Fits all PC boards
- 0.054" to 0.070" thick

Solder Eyelet 0.140" Spacing Between Rows

- Contact centers: 0.156" • With mounting ears

Part No.	Position	Contacts	1	10	100
39116CK	22/44	Gold	\$2.95	\$2.65	\$2.38

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.100"
- Without mounting ears

Part No.	Position	Contacts	1	10	100
40694CK	31/62	Tin (PC/AT)	\$.93	\$.82	\$.65
42091CK	49/98	Tin (AT)	.89	.59	.39



Smart Card Connectors

CCM01 - Full Size Friction

CCM02 - Full Size Landing

CCM03 - SIM/SAM Holder

CCM05 - Smartmedia™ SSFDC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our C&K Connector Series Offering at
www.Jameco.com/Prod/CKSmartCon

USB-A & B Connectors and Pins

1.0 and 2.0



174060CK: USB-A & B (2.0) Male Connector

- 3-part housing: tin plate over brass and glass fiber
- 4-pins (P/N 159724CC, see web) required per USB connector

161023CK/230957CK:

USB-A & B (1.0 & 2.0) Female Connectors

- PC mount right angle with board locks

230965CK: Male Crimp Pin

- Pin for P/N 174060CK (4 required) • Contact: gold
- Use P/N 159265CK for crimping tool, pg 281

* Minimum order 10 pieces

Part No.	Description	1	10	100	1000
161023CK	USB-A 1.0 conn. (F)	\$.79	\$.69	\$.62	\$.56
174060CK	USB-B 2.0 conn. (M)	.79	.69	.62	.56
230957CK	USB-B 2.0 conn. (F)	.99	.85	.55	.42
230965CK	Crimp pin (M) for 2.0	*.125	.09	.065	

AMP USB Connectors

- Wire to board connectors
- Series A & B
- 4-position • Right angle

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See Our Complete AMP USB Series Offering at
www.Jameco.com/Prod/AMPUSB

Cinch CARDCON Edge Connector

Commercial .100" Density DIP Solder & .156" Density DIP Solder/Solder Eyelet

- Contact material: spring brass
- Insulation: polyester
- Contact plating: gold/nickel
- Bifurcated Bellows contacts for added reliability
- Ideal for vibration or board irregularities

High Reliability .156" Density DIP Solder/Solder Eyelet

- Contact plating: gold/copper
- Insulation: Diallyl phthalate
- Contact material: phosphor bronze
- Bifurcated Bellows contacts for added reliability
- Ideal for vibration or board irregularities

High Reliability .156" Density Card Extender

- Solder terminations, double readout
- Contact plating: gold/nickel
- Insulation: Diallyl phthalate
- Contact material: Beryllium copper
- Patented bifurcated Bellows contacts for added reliability. Ideal for vibration or board irregularities

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete CARDCON Connector Series Offering at
www.Jameco.com/Prod/CinchCardCon

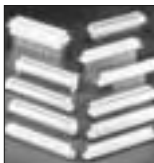
AMP EUROCARD™

Types R & C

- Right angle with solder posts
- With and without boardlocks

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See Our Complete AMP EUROCARD Series Offering at www.Jameco.com/Prod/AMPEUROCARD



AMP AMPLATCH™ Ribbon Cable Connectors

Novo Receptacles

- Housing assemblies with cover
- Preassembled
- Center and military polarized
- Keying plugs
- Lock injector hooks



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See Our AMPLATCH Connector Offering at www.Jameco.com/Prod/AMPLATCH

AMP CHAMP™ Lok IDC Connectors

- Plug/screw lock
- Plug/bail lock
- Receptacle/screw or bail lock
- 50 position only



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Amp Champ-Lok Connector Offering at www.Jameco.com/Prod/AMPCHAMPLok

molex Fiber Optic Accessories

MTP/MPO

Provide reliable high performance interconnects of up to 24 fibers in a small footprint.



LC Loopback

SMC

Provides a stable and convenient means for testing optical SFP (Small Form-factor Pluggable) and SFF (Small Form Factor) devices.

SMC

Provide reliable high performance interconnects of up to 12 fibers in a low profile footprint.

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See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic

AMP Fiber Optic Adapters

MT-RJ to MT-RJ

- Suitable for single-mode/multimode MT-RJ plugs



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Fiber Optic Connector Offering at www.Jameco.com/Prod/AMPFiberOptic



Fiber Optic Connectors & Adapters

LC

Developed to meet the growing demand for small form factor, higher density fiber optic connectivity.

SC

The versatile Molex SC lightwave connector has been designed to NTT-SC standards & is completely compatible with other SC hardware.

SC Duplex

Designed to maintain fiber optic cabling polarity in the telecommunication and data communication networks.

SC/APC

NTT compliant connector, combines connector design with a precise Angled Physical Contact (APC) ferrule.

MT-RJ

Small Form Factor duplex connector uses an MT type ferrule & industry standard RJ-45 type latch.

ESCON

High speed communication interconnect between mainframes and storage devices, peripheral control units and other networks.

FC

Designed to NTT-FC standards and provides true non-optical disconnect performance.

FC/APC

Combines an NTT-FC connector design with a precise, pre-angled, pre-radiused & pre-polished ferrule.

ST

Specially designed for distribution applications and fully compatible with existing ST type hardware.

STII

Versatile coupling nut design, which allows the STII connector to provide either standard ST or non-optical disconnect functionality.

FDDI

Utilize a variable keying system to ensure proper port mating identification and polarity.

Bezel Adapter Accessories

Provides many advantages when deploying various fiber optic adapters on equipment front and/or back panels.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic



LC



SC Duplex



ESCON



FC/APC



Fiber Optic Backplanes

HBMT™ MT

Utilizing a standard MT ferrule as the optical interface, the HBMT provides up to 96 fiber interconnects.

BMT™ MTP

High density solution based on the NTT MT ferrule and MTP push-pull ribbon fiber connector.

BLC™ LC

Designed to provide a smooth transition from the active devices to the LC based fiber optic network.

BSC™/BSCII™ SC

Designed to provide a smooth transition from the active devices to the SC based fiber optic network.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic



BMT MTP



BSC/BSCII SC



10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')



Part No.	Product No.	1	10
171272CK	IF-C-E1000	\$6.95	\$6.25

CA .100" DIP Header Plugs

- Gold-plated leads
 - Header plugs: keyed corner to indicate pin 1
 - U-shaped pin termination for easy component attachment
 - Lead length: 0.188" • 0.1" spacing between leads
- Blue Part No. = Limited Quantity Available

Part No.	Prod. No.	Width	Pins	1	10	100
104336CK	8HP	0.3"	8	.....	\$ .79	\$.67
37129CK	14HP	0.3"	14	.....	1.19	.99
37330CK	16HP	0.3"	16	.....	1.35	1.25
38578CK	20HP	0.3"	20	.....	1.49	1.35

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27174CK	M505	Bench press	7.0	\$179.95	\$159.95

M505 Accessories

27182CK	M507	Cable cutter	0.9	.....	\$66.95	\$61.95
27203CK	M510	Base plate	0.5	.....	26.49	24.95

JAMECO ValuePro .100" IDC Plug Connectors

Double Row

- 0.100" x 0.100" grid
- Plastic
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, right

Part No.	Cross Ref. No.	Contacts	1	10	100
29188CK	P40	40	.....	\$1.95	\$1.75
29217CK	P50	50	.....	1.95	1.75

JAMECO ValuePro .100" Low-Profile Male Shrouded Headers

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized, CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, above

Straight Male Headers

Part No.	Description	1	10	100	1000
67811CK	10-pin	.....	\$ .39	\$.35	\$.32
68179CK	16-pin	.....	.44	.40	.35
68291CK	20-pin	.....	.49	.47	.39
68371CK	26-pin	.....	.54	.42	.35
68582CK	34-pin	.....	.79	.65	.46
181104CK	40-pin	.....	.75	.60	.45

Other Manufacturers — Great Deals

Right Angle Male Header

Part No.	Description	1	10	100	1000
211182CK	26-pin	.....	\$ .22	\$.20	\$.18

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

DIN and Mini DIN Plugs and Receptacles



- Solder barrels with strain relief • See pg 103 for cable

Part No.	Pins	Type	1	10	100
142279CK	4	Mini plug	.....	\$ .79	\$.68
142261CK	6	Mini plug	.....	.89	.77
177244CK	6	Mini receptacle	.....	.99	.85
111878CK	8	Mini plug	.....	.99	.89
177236CK	8	Mini receptacle	.....	1.09	.93
15878CK	5	DIN plug	.....	.52	.47
180873CK	5	DIN receptacle	.....	.52	.45
15886CK	6	DIN plug	.....	.59	.50
15894CK	8	DIN plug	.....	.65	.56

DIN Female Sockets

- Metal body
- Panel mount with solder lugs

Part No.	Cross Ref.	# of pins	1	10	100	500
15843CK	DINJ5	5	.....	\$1.29	\$1.15	\$1.05
15851CK	DINJ6	6	.....	1.39	1.25	1.15
15860CK	DINJ8	8	.....	1.49	1.35	1.15

Right Angle DIN Female Sockets

- Set back: 0.5" • PC mount contacts
- 140792CK/119474CK: Plastic/metal body

Part No.	Cross Ref. No.	# of pins	1	10	100	500
140792CK	MDR4S	4 (mini)	.....	\$ .69	\$.59	\$.46
119474CK	MDR6S	6 (mini)	.....	1.04	.91	.70
29399CK	RD5	5	.....	.59	.53	.40

Other Manufacturers — Great Deals

- Set back: 0.5"
- PC mount contacts
- Plastic/metal body

Part No.	Cross Ref. No.	# of pins	1	10	100	500
140791CK	MDR4S	4 (mini)	.....	\$ .62	\$.56	\$.45
207722CK	MDS8100	8 (mini)	.....	.89	.80	.64

PCB Centronics Connectors



- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount

Part No.	Description	1	10	100
72151CK	36-contact fem., rt angle	.....	\$3.55	\$3.19
72080CK	50-contact fem., rt angle	.....	4.95	4.45

IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73251CK IDC crimping tool, pg 139

Part No.	Description	1	10	100
13848CK	36-pin male	.....	\$1.99	\$1.75

Cinch Circular Mini DIN Connectors

Single-Ended Cable Assembly

- 6 or 8-pin male
- Molded-in strain relief
- Shield: steel with nickel
- Contact material: phosphor bronze
- Jacket over 28 AWG stranded wire



Plugs

- Plug components for cable termination

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch Mini DIN Offering at
www.Jameco.com/Prod/CinchMiniDIN

JAMECO ValuePro .100" (2.5mm) Female Header Receptacles

- Gold plated contacts
- 0.1" contact center

Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500
71159CK	20	Double row	.....	\$1.25	\$1.10	\$.99

Vertical Mount (Top Entry)

Part No.	Contacts	Type	1	10	100	500
70754CK	8	Single row	.....	\$ .59	\$.53	\$.43
200782CK	12	Single row	.....	.79	.59	.45
308591CK	16	Single row	.....	.58	.48	.31
308566CK	20	Single row	.....	.69	.57	.37
70720CK	16	Double row	.....	.89	.79	.72
70826CK	20	Double row	.....	1.09	.98	.88
105056CK	30	Double row	.....	1.09	.98	.88
111704CK	40	Double (Tin)	.....	1.29	1.15	.99

Other Manufacturers — Great Deals

454539CK	30	Double row	.....	\$ .99	\$.89	\$.80
163862CK	34	Double row	.....	1.05	.94	.85

JAMECO ValuePro Centronics Parallel Interface Connector

Metal Body and Shell Solder-Type Contacts

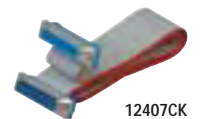
- Solder eyelets accept 24 AWG wire, pg 102
- Male cable plugs
- Complete with cable boot, shell and hardware



Part No.	Cross Ref. No.	Contacts	1	10	50
42382CK	57-30360	36	.....	\$1.79	\$1.59

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts



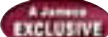
Part No.	Description	1	10	100
12407CK	4' DB25 M-F	.....	\$4.49	\$3.95
208581CK	6' DB9 M-F	.....	3.95	3.55

.100" & 2mm IDC Socket Connectors

- Double Row**
- Mates with 2 rows of .025" Sq. or Dia. posts on patterns of .100" centers (male headers, see below) • Current rating: 1A
 - Industry standard IDC socket (plastic)
 - Temperature rating: -55°C to +105°C
 - Use crimping P/N 73251CK, pg 139



32563CK



Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32491CK	S10	10	.29	.25	.19	.15
153947CK	S14	14	.32	.27	.21	.16
119466CK	S16	16	.35	.29	.22	.17
32521CK	S20	20	.39	.32	.25	.18
32563CK	S26	26	.45	.35	.29	.19
32643CK	S34	34	.49	.39	.35	.25
32678CK	S40	40	.55	.45	.39	.29
100386CK	IDC440	44 (2mm)	.99	.89	.71	.53
32707CK	S50	50	.65	.55	.45	.35
32758CK	S60	60	.75	.68	.61	.50

*2mm pin spacing

Non-Polarized IDC Socket Connectors

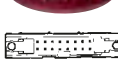
Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376CK	SN10	10	.35	.32	.28	.24
138325CK	SN20	20	.45	.40	.36	.28
138333CK	SN26	26	.39	.35	.32	.24
138341CK	SN34	34	.45	.40	.35	.28
138350CK	SN40	40	.49	.45	.39	.29
138368CK	SN50	50	.65	.59	.467	.35

.100" (2.5mm) Straight Male Headers

- With Standard Latch**
- Double Row**
- 0.1" contact center
 - Mount vertical
 - Keying slot
 - Use with IDC socket connectors, above



71829CK



Part No.	Description	1	10	100	500
117663CK	10-pin	\$1.29	\$1.16	\$.99	\$.61
71829CK	20-pin	1.39	1.25	1.13	.95
71933CK	26-pin	1.49	1.25	.99	.89
72215CK	50-pin	1.85	1.65	1.49	1.35

Internal Serial ATA, ATA-133 and Floppy Drive Cables



7-Pin Round Serial ATA Cable

Part No.	Description	Length	1	10	25
348710CK	Red, 90°	19.9"	\$4.19	\$3.70	\$3.52
348736CK	Red, 180°	39.4"	5.29	4.69	4.45

40-Pin ATA-133/IDE Cable

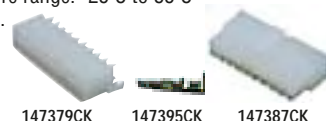
348752CK	Dual round, blue	18"	\$4.25	\$3.84	\$3.65
348787CK	Dual round, black	24"	4.89	4.60	4.38

34-Pin Floppy Drive Cable

348795CK	Round, blue	18"	\$5.95	\$5.95	\$5.19
348816CK	Round, blue	24"	6.89	6.49	6.17

.118"-Pitch ATX Power Connectors for Motherboards & Power Supplies

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min. • Withstanding volt.: 1500V/min.
- 147379CK: ATX male 20-pin edge mount connector
- Material: nylon 66, UL-94V0
- Material of post: tin-plated brass • Diameter of post: 0.045"
- 147387CK: Housing connector • Material: nylon 66, UL-94V0
- 147395CK: ATX power terminal pins • Material: tin-plated brass

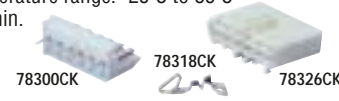


* Minimum order 10 pieces

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379CK	20-pin male connector	1.7"	0.4"	0.6"	—	—	\$.59	\$.53	\$.48	\$.43
147387CK	20-pin housing connector	1.7"	0.4"	0.8"	—	147395CK	.59	.53	.48	.43
147395CK	Power terminal pin, F	0.59"	—	—	0.068"	147387CK	*	.12	.11	.10

.098"-Pitch AT Power Connectors for Motherboards & Power Supplies

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min. • Withstanding volt.: 1500V/min.
- 78300CK: AMP60G male 6-pin PCB mount connector
- Material of post: tin-plated brass • Diameter of post: 0.09"
- 78326CK: AMP50G female 6-pin housing connector • Material: nylon
- 78318CK: AMP501T terminal pin • Material: tin-plated brass

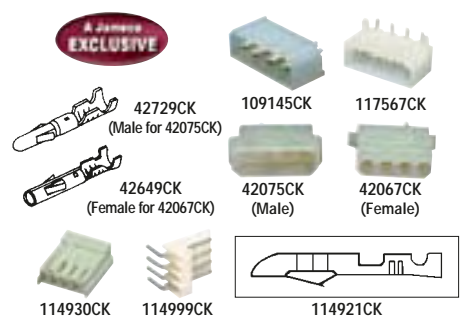


* Minimum order 10 pieces

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
78300CK	6-pin male connector	0.93"	0.37"	0.57"	—	—	\$.45	\$.39	\$.35	\$.31
78326CK	6-pin housing connector	0.94"	0.25"	0.74"	—	78300CK	.35	.31	.28	.25
78318CK	Power terminal pin, F	0.69"	—	—	0.09"	78326CK	*	.11	.08	.07

Power Connectors and Pins

- Connector & Housing Specifications:**
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
 - Operating temperature: -55°C to +105°C
- Crimp Pin Specifications:**
- Material: tin plated brass • Current rating: 1.5 amps
 - Wire size range: 18-24 AWG
 - Use crimp tool P/N 99442CK, pg 281



For 5.25" Disk Drives and Power Supplies

- 42075CK & 42067CK Connector Housings:
- 0.200" pitch
 - Keyed mating connectors
 - External key bar indicates pin 1
 - See pg 122 for extraction tools, 131887CK & 131879CK

Part No.	Description	10	100	1000
109145CK	4-pin M vert. PCB mtg	\$.65	\$5.59	\$.53
117567CK	4-pin M PCB mounting, horizontal edge mount	.85	.72	.65
42075CK	4-pin M housing	.12	.11	.10
42067CK	4-pin F housing	.20	.15	.13
42729CK	M crimp pin for 42075CK	.10	.07	.06
42649CK	F crimp pin for 42067CK	.10	.07	.06

For 3.5" Disk Drives and Power Supplies

Part No.	Description	10	100	1000
114930CK	4-pin F housing	\$.19	\$.17	\$.15
114921CK	F crimp pin for 114930CK	.11	.095	.08
Part No.	Description	1	100	1000
114999CK	4-pin M rt. angle PCB mtg	\$.35	\$.31	\$.28

IDC Connector Crimping Tool

- Crimping distance: 27.5mm to 6mm (with attachment)
- Cushioned red handles • Crimp insulation displacement connectors
- Use for IDC socket connectors



Part No.	Product No.	Size (L" x W")	Wt. (lbs.)	1	10	25
73251CK	HT214	9.2 x 3.0	1.1	\$15.95	\$14.39	\$12.95

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

Slim-Line D-Sub Gender Changers



For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells

Part No.	Description	1	10	100
18497CK	9-pin male to male	\$4.95	\$4.49	\$3.99
18489CK	9-pin female to female	4.95	4.49	3.99
56071CK	15-pin male to male	3.95	3.49	2.95
56063CK	15-pin female to female	3.95	3.56	3.19
119319CK	15-pin female to female HD	4.75	4.28	3.84
119301CK	15-pin male to male HD	5.25	4.76	4.19
326537CK	15-pin M-F (pass through)	2.25	1.91	1.43
18446CK	25-pin male to male	4.95	4.49	3.99
18420CK	25-pin female to female	4.95	4.49	3.99
170085CK	25-pin M-F (pass through)	2.95	2.65	2.35

D-Sub 9-Pin to 25-Pin Serial Adapters

- 10321CK: For PC/XT systems with DB25 serial ports.
- 139985CK: gold-plated contacts, extra long thumbscrews

Part No.	Description	1	10	100
10321CK	DB9 M to DB25 F	\$4.49	\$3.79	\$3.19
189632CK	DB9 M to DB25 M	3.49	3.15	2.85
139985CK	DB9 F to DB25 F	3.95	3.55	3.19

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

- 10305CK: For use in AT or other computer systems that have 9-pin D-sub serial ports.

- 163740CK/153576CK: For PC/XT systems with DB25 serial ports.

Part No.	Description	1	10	100
10305CK	DB9 F to DB25 M	\$3.15	\$2.69	\$1.99
163740CK	DB9 M to DB25 F, thumbscrews on DB9 side only	2.55	2.19	1.65
153576CK	DB9 M to DB25 F, thumbscrews on DB25 side only	3.55	2.99	2.25
664296CK	DB9 M to DB25 M, thumbscrews on both sides	2.49	2.25	1.85

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351CK	13"	USB adapter	\$12.35	\$11.75	\$11.15

Standard D-Sub Gender Changers



- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635CK	D-sub 9-pin male	\$1.95	\$1.75	\$1.49
16643CK	D-sub 9-pin female	1.95	1.75	1.49
22058CK	D-sub 25-pin male	1.95	1.49	1.05
22074CK	D-sub 25-pin female	1.99	1.79	1.65

Keyboard Adapters



- 159089CK/189771CK: AT keyboard adapter
 - Connects PS/2 keyboard to AT
 - 6-pin female mini DIN to 5-pin male DIN
- 159097CK: PS/2 keyboard adapter
 - Connects AT type keyboards to the PS/2
 - 5-pin female DIN to 6-pin male mini DIN (PS/2)
- 316831CK: USB to PS/2 keyboard adapter
 - USB-A female to PS/2 male

Part No.	Length	Housing	1	10	100
159089CK	1.6"	Metal	\$2.95	\$2.65	\$2.39
159097CK	1.4"	Metal	2.95	2.65	2.39
189771CK	1.7"	Plastic	2.95	2.65	2.39
316831CK	2.0"	Plastic	1.79	1.59	1.39

Other Manufacturers — Great Deals

PS/2 Keyboard Adapter

- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)

Part No.	Length	Housing	1	10	100
157930CK	1.7"	Plastic/metal	\$2.65	\$2.25	\$1.69

Full Handshaking Null Modem Adapters

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.

Internal pin configuration:

- 17224CK: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
- 26243CK: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243CK	DB25 M to DB25 F	\$3.95	\$3.65	\$3.49
17224CK	DB25 F to DB25 F	3.49	2.95	2.49

Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.

- Size: 1.9"L x 1.2"W

Part No.	Description	1	10	100
319791CK	PS/2 adapter	\$2.75	\$2.59	\$2.45

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Computer Card Brackets



- For securing cards into bus slots
- Fits standard PC/XT/AT cases
- Length: 4.75"
- See pg 119 for DB connectors

Quantity SAVE

Part No.	Description	Fig.	1	10	100
11754CK	Blank back panel	1	\$1.79	\$1.59	\$1.45
101717CK	For DB9 connector	2	1.79	1.59	1.45
101733CK	For DB25 connector	3	1.79	1.52	1.14
101741CK	For DC37 connector	4	1.79	1.52	1.14
101830CK	For DB9/DB25 conn.	5	1.79	1.59	1.45

Panel Bracket Cable Assemblies

- Standard computer back panel brackets
- Length: 12"
- Ribbon cable with header connector



- 355688CK: 1 serial port
- 149614CK: 2 serial ports
- 149622CK: 1 parallel port
- 179995CK: 1 parallel & 2 serial ports

Quantity SAVE

Part No.	Description	1	10	25
355688CK	DB9 to 10-pin header	\$2.25	\$2.00	\$1.85
149614CK	DB9M to 10-pin header			
	DB25M to 10-pin header	2.79	2.37	1.78
149622CK	DB25 to 26-pin header	2.79	2.51	2.26
179995CK	DB9M to 10-pin header			
	DB25M to 10-pin header			
	DB25F to 26-pin header	1.39	1.16	.84

SCSI Adapter

- See below for SCSI-type connector guide

SALE

Part No.	Description	1	10	50
125241CK	50-pin ribbon header to HPDB50 SCSI-II female	\$9.95	\$8.45	\$6.35

SCSI Type / Connector Reference Table

SCSI type	50-pin Centronics DB25	50-pin Header	Half pitch DB50	Half pitch DB68	15-pin Centronics	15-pin Header
SCSI-I	✓	✓	✓			
SCSI-II			✓	✓		
SCSI-II wide				✓	✓	
SCSI-III					✓	✓
RAID: SCA, SCA-2						✓

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables

- 28003CK/319783CK:

- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



- 310789CK:

- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CK	4.5"	Black	\$2.45	\$2.19	\$1.99
28003CK	6.5"	Beige	3.95	3.49	3.15
310789CK	7.5"	Beige	3.95	3.49	3.15

Amphenol RF

BNC Connectors and Adapters

- Frequency range: 0-4GHz
- Contact plating: silver/gold
- Cable type: 223360CK: RG55/141/142/223/400
- 223394CK: RG59/62/71/140/210/302
- 223474CK: RG59/62/140/210, Belden 8241/8263/8279/9209
- Working voltage: 500V
- Body plating: nickel/tin-lead



Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223431CK	31-202	1	UG-88C/U	50Ω plug, straight, solder cup	\$4.35	\$3.69	\$2.65
223360CK	31-5	2	UG-89/U	50Ω jack, straight, clamp/solder	5.05	4.54	3.35
223458CK	31-208	3	UG-274A/U	50Ω T-adapter, jack-plug-jack	8.59	6.59	6.49
223394CK	31-12	4	UG-260/U	50Ω plug, straight, clamp	7.29	5.54	5.14
223474CK	31-212	4	UG-260B/U	50Ω plug, straight, clamp/solder	4.19	3.21	2.95
223415CK	31-17	5	CW-159/U	50Ω male shorting cap	6.09	5.73	4.36
223440CK	31-203	6	UG-290A/U	50Ω receptacle, straight/flange, solder cup	7.25	5.73	4.24
223482CK	31-218	7	UG-491A/U	50Ω in-series adapter, plug-plug	8.35	6.99	6.25
223491CK	31-219	8	UG-914/U	50Ω in-series adapter, jack-jack	4.55	4.22	3.19
223554CK	31-3220	9	UG-492D/U	50Ω bulkhead adapter, straight, jack-jack	10.25	8.83	7.19
223511CK	31-221	10	UG-1094/U	50Ω bulkhead receptacle, straight, solder cup	3.15	2.43	1.75
223538CK	31-2221	11	UG-1094A/U	50Ω bulkhead receptacle, straight, solder cup	2.89	2.48	1.81
223520CK	31-236	10	UG-625B/U	50Ω bulkhead receptacle, straight, pin/pin	2.79	2.16	2.15

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolBNC

Amphenol RF

UHF Connectors and Adapters

- Frequency range: 0-300MHz
- Cable type: 223600CK/223677CK: RG8/9/87A/214/313/225
- Cable type: 668385CK: RG58/58A/58C/141/303/LM195/B7806A
- Cable type: 668393CK: RG59/62/140/210
- Working voltage: 500V
- Contact plating: nickel and silver



Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223562CK	83-1AP	1	UG-646/U	In-series right angle adapter, jack-plug	\$8.15	\$7.59	\$6.16
223837CK	83-1T	2	M-358	In-series T-adapter, jack-plug-jack	11.25	8.65	6.55
223597CK	83-1R	3	SO-239	Panel receptacle, solder cup, PBT polyester insulator	3.09	2.49	2.45
223600CK	83-1SP	4	PL-259	Straight plug, solder, diallyl phthalate insulator	3.65	2.81	2.52
223677CK	83-822	4	PL-259	Straight plug, solder, TFE insulator	3.95	2.99	2.75
668377CK	182106	5	PL-259	Straight plug, solder, nickel finish, phenolic insulator	2.05	1.82	1.59
668385CK	182107	6	UG-175/U	Reducing adapter, nickel finish, for 668377CK	.47	.423	.317
668393CK	182108	6	UG-176/U	Reducing adapter, nickel finish, for 668377CK	.48	.432	.285
668449CK	182109	7	PL-258	Jack-to-jack adapter, nickel finish, teflon insulator	4.55	4.34	4.13

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolUHF

Amphenol RF

RF Adapters

RF Coaxial Adapters

- In-series
- Commercial plugs
- Straight adapters

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See our Amphenol RF Adapter Offering at www.Jameco.com/Prod/AmphenolRF



Amphenol RF

BNC 50Ω Cable Plugs

BNC 3-Piece

- Silver-plated
- Frequency range: 0-4GHz with low reflection
- Attachment (outer/inner): crimp/crimp



Part No.	Product No.	1	10	25
188306CK	31-320-RFX	\$1.49	\$1.26	\$1.03
188349CK	31-315-RFX	1.99	1.63	1.22

Amphenol RF

BNC Adapters



- Frequency range: 0-4GHz with low reflection

188411CK: Straight jack-to-jack

188429CK: Jack-plug-jack

188402CK: Gasketed jack-to-jack

Part No.	Product No.	1	10	25
188411CK	31-219-RFX	\$2.99	\$2.66	\$1.99
188429CK	31-208-RFX	4.19	3.39	2.65
188402CK	31-220G-RFX	4.15	3.69	2.52

Amphenol RF

Type N Crimp Plug

- Silver-plated
- RG58/141
- Attachment (outer/inner): crimp/crimp



Part No.	Product No.	1	10	25
188445CK	82-5375-RFX	\$5.15	\$4.35	\$2.96

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolN

Amphenol RF

SMA Crimp Plug

- Frequency range: 0-18GHz
- Outer cable attachment: crimp
- Inner cable attachment: solder
- Construction: captive contact
- Type: crimp plug
- Material: brass
- For RG174/U, RG188/U, and RG316/U cables



Part No.	Product No.	1	10	25
188488CK	901-9877-RFX	\$3.45	\$2.99	\$2.39

Amphenol RF

SMA PCB Jacks

- Applications: cellular phone, data communication, instrumentation, and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C

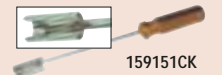


Part No.	Product No.	1	10	25
188509CK	901-144-8-RFX	\$3.25	\$2.73	\$2.35
188525CK	901-143-6-RFX	5.19	4.20	3.65

Amphenol RF

BNC Connector Removal Tools

- For deep chassis removal
- Allows access to hard-to-reach places

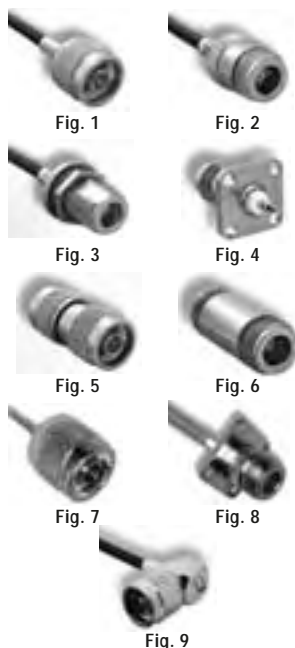


Part No.	Product No.	Length	1	10	25
159151CK	HT2206	6"	\$11.49	\$9.05	\$6.79
152047CK	HT2212	12"	13.99	12.59	11.33

Amphenol Connex

Type N Connectors 50Ω

NEW



Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296454CK	172100	R 1	J	Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$3.55	\$3.06	\$2.96
296462CK	172102	R 1	D	Straight crimp plug captive contact	RG-8/8A/213/393	3.89	3.72	3.54
296489CK	172103	R 2	J	Straight crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	3.55	3.38	3.20
659198CK	172106	R 3	J	Bulkhead crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	5.35	4.66	4.49
659278CK	172119	R 4	—	Panel receptacle jack, solder terminal	All 50Ω coax cables	4.35	3.99	3.64
659286CK	172122	R 5	—	Plug-to-plug adapter	All 50Ω coax cables	5.85	5.59	5.34
659294CK	172123	R 6	—	Jack-to-jack adapter	All 50Ω coax cables	4.15	3.99	3.80
296500CK	172128	R 1	B/J	Straight crimp plug captive contact	RG-174/188A/316/B7805A	4.75	4.09	3.96
296518CK	172129	R 3	B	Bulkhead crimp jack captive contact	RG-174/188A/316/B7805A	5.35	4.62	4.47
296526CK	172132	R 3	J	Bulkhead crimp jack captive contact	RG-55/142/223/400	5.09	4.87	4.65
296534CK	172133	R 7	—	Straight solder plug, 0.141 semi-rigid	RG-402/U	3.69	3.36	3.03
296542CK	172135	R 1	J	Straight crimp plug captive contact	RG-8X/LMR240/B7808A	3.79	3.31	3.20
296551CK	172137	R 3	—	Bulkhead solder jack, 0.141 semi-rigid	RG-402/U	5.35	4.85	4.38
296569CK	172138	R 3	—	Bulkhead solder jack, 0.085 semi-rigid	RG-405/U	5.29	4.82	4.33
659201CK	172149	R 3	J	Bulkhead crimp jack captive contact	RG-8X/LMR240/B7808A	5.09	4.43	4.28
659235CK	172173	R 8	B/J	Straight crimp panel jack captive contact	RG-174/188A/316/B7805A	6.29	6.03	5.76
659180CK	172176	R 9	L	Right angle crimp plug	B9913/LMR400/B7810A/B8214	6.05	5.50	5.17
659163CK	172177	R 9	A	Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	7.39	6.44	6.22
659171CK	172180	R 9	B/J	Right angle crimp plug	RG-174/188A/316/B7805A	7.35	6.40	6.19
296606CK	172203	R 2	L	Straight crimp jack captive contact	B9913/LMR400/B7810A/B8214	3.39	3.08	2.77
659147CK	172206	R 1	HEX	Straight crimp plug captive contact	LMR600	8.55	7.44	7.19
659219CK	172208	R 8	J	Straight crimp panel jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	5.55	5.31	5.06
659112CK	172214	R 1	J	Straight crimp plug captive contact	LMR200/B7807A	3.25	2.92	2.63

* Crimp tools for these connectors are on page 317

Amphenol Connex

BNC Connectors and Adapters 50Ω/75Ω

NEW



Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
295953CK	112116	R 10	A	50Ω straight crimp plug, captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$1.40	\$1.34	\$1.28
295970CK	112119	R 10	A	75Ω straight crimp plug, captive contact	RG-59/62/140/210	1.45	1.39	1.32
296008CK	112132	R 10	B	50Ω straight crimp plug, captive contact	RG-174/188A/316/B7805A	1.85	1.76	1.68
296016CK	112133	R 10	B	75Ω straight crimp plug, captive contact	RG-179/187/B9221	1.40	1.34	1.28
296032CK	112144	R 11	A	50Ω straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	1.79	1.71	1.62
296041CK	112160	R 11	B	50Ω straight crimp jack	RG-174/188A/316/B7805A	1.89	1.79	1.70
296631CK	112161	R 11	B	75Ω straight crimp jack	RG-179/187/B9221	1.89	1.79	1.70
296420CK	112162	R 12	A	50Ω right angle crimp/solder plug	RG-58/58A/58C/141/303/LMR195/B7806A	3.09	2.95	2.81
296614CK	112178	R 12	B	50Ω right angle crimp/solder plug	RG-174/188A/316/B7805A	3.49	3.43	3.09
658371CK	112202	R 13	A	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	2.99	2.62	2.37
658398CK	112234	R 13	B	50Ω bulkhead crimp jack	RG-174/188A/316/B7805A	2.95	2.55	2.29
658401CK	112235	R 13	B	75Ω bulkhead crimp jack	RG-179/187/B9221	2.95	2.71	2.47
658435CK	112290	R 14	—	50Ω panel receptacle jack	All 50Ω coax cables	2.85	2.72	2.59
296059CK	112404	R 15	—	50Ω straight PCB mount jack	All 50Ω coax cables	1.55	1.42	1.29
658427CK	112424	R 16	—	50Ω receptacle jack, solder terminal	All 50Ω coax cables	1.59	1.51	1.43
296067CK	112431	R 17	—	50Ω bulkhead rec. jack, isolated, solder term.	All 50Ω coax cables	1.44	1.33	1.22
658451CK	112437	R 18	—	50Ω jack-to-jack bulkhead adapter	All 50Ω coax cables	2.65	2.53	2.41
658460CK	112438	R 18	—	75Ω jack-to-jack adapter	All 75Ω coax cables	2.65	2.53	2.41
296075CK	112440	R 18	—	75Ω bulkhead jack-to-jack adapter, isolated	All 75Ω coax cables	3.75	3.45	3.15
658486CK	112443	R 19	—	50Ω jack-to-jack bulkhead adapter, isolated	All 50Ω coax cables	2.95	2.81	2.67
658494CK	112444	R 19	—	75Ω jack-to-jack bulkhead adapter, isolated	All 75Ω coax cables	2.95	2.81	2.67
658507CK	112445	R 20	—	50Ω jack-to-jack adapter	All 50Ω coax cables	1.89	1.79	1.70
296083CK	112446	R 20	—	75Ω jack-to-jack adapter	All 75Ω coax cables	1.89	1.79	1.70
658515CK	112461	R 21	—	50Ω T-adapter, jack-plug-jack	All 50Ω coax cables	1.85	1.76	1.66
658380CK	112505	R 13	A	50Ω bulkhead crimp jack	RG-55/142/223/400	2.89	2.78	2.67
296198CK	112508	R 10	E	75Ω straight crimp plug, captive contact	RG-6/143/212/B3092/B3093	1.46	1.39	1.33
296622CK	112513	R 11	A	50Ω straight crimp jack	RG-55/142/223/400	1.79	1.71	1.62
296024CK	112516	R 10	B	50Ω straight crimp plug, captive contact	RG-178/196	2.05	1.88	1.71
296139CK	112533	R 10	A	50Ω straight crimp plug, captive contact	RG-8X/LMR240/B7808A	1.48	1.42	1.35
658443CK	112538	R 22	—	50Ω straight jack PCB mount	All 50Ω coax cables	1.55	1.48	1.41
296243CK	112551	R 10	—	50Ω straight solder plug, 0.141 semi-rigid	RG-402/U	1.69	1.56	1.41
296112CK	112562	R 10	D	50Ω straight crimp plug, captive contact	RG-8/8A/213/393	4.59	4.15	3.71
296147CK	112563	R 10	L	50Ω straight crimp plug, captive contact	B9913/LMR400/B7810A/B8214	4.39	4.19	4.00
658419CK	112581	R 13	—	50Ω bulkhead crimp jack, 0.141 semi-rigid	RG-402/U	2.85	2.58	2.32
658540CK	202100	R 23	—	Male cap with chain	All BNC female connectors	1.79	1.71	1.62
658523CK	202103	R 24	—	50Ω terminator plug	All 50Ω coax cables	1.79	1.71	1.62
658531CK	202105	R 24	—	75Ω terminator plug	All 75Ω coax cables	1.89	1.79	1.70
658558CK	202114	R 23	—	Male shorting cap with chain	All BNC female connectors	2.45	2.35	2.25

* Crimp tools for these connectors are on page 317

Amphenol Connex

TNC Connectors 50Ω/75Ω

NEW

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296155CK	122108	25	A	50Ω straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	\$1.37	\$1.20	\$1.16
658574CK	122111	25	A	75Ω straight crimp plug	RG-59/62/140/210	1.40	1.34	1.28
658603CK	122116	25	B	50Ω straight crimp plug	RG-174/188A/316/B7805A	1.75	1.52	1.47
658611CK	122140	26	A	50Ω right angle crimp/solder plug	RG-58/58A/58C/141/303/LMR195/B7806A	2.99	2.58	2.50
658638CK	122148	26	B	50Ω right angle crimp/solder plug	RG-174/188A/316/B7805A	3.25	2.83	2.74
296171CK	122160	27	A	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	2.89	2.49	2.40
296180CK	122192	27	B	50Ω bulkhead crimp jack	RG-174/188A/316/B7805A	2.89	2.49	2.40
658700CK	122248	28	—	50Ω panel receptacle jack	All 50Ω coax cables	2.19	2.12	2.05
658646CK	122358	27	B	50Ω bulkhead crimp jack	RG-316/U double braided	2.85	2.63	2.40
658654CK	122370	27	B	50Ω bulkhead crimp jack	RG-178/196	3.35	3.20	3.05
296201CK	122393	25	L	50Ω straight crimp plug	B9913/LMR400/B7810A/B8214	4.59	4.15	3.74
658582CK	122394	25	D	50Ω straight crimp plug	RG-8/8A/213/393	4.39	4.15	4.00
658591CK	122408	25	A	50Ω straight crimp plug	RG-8X/LMR240/B7808A	1.59	1.38	1.33
658566CK	122410	25	A	50Ω straight crimp plug	LMR200/B7807A	1.33	1.20	1.08
658620CK	122430	26	A	50Ω right angle crimp/solder plug	RG-55/142/223/400	3.19	2.93	2.68

* Crimp tools for these connectors are on page 317



Fig. 25



Fig. 26



Fig. 27



Fig. 28

Amphenol Connex

SMA Connectors 50Ω

NEW

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
658718CK	132100	29	—	Straight cable plug, 0.141 semi-rigid	RG-402/U	\$1.17	\$1.05	\$0.97
296251CK	132105	30	—	Bulkhead feed through cable jack-o-ring seal, 0.141 semi-rigid	RG-405/U	3.99	3.60	3.26
296260CK	132106	30	—	Bulkhead feed through cable jack-o-ring seal, 0.085 semi-rigid	RG-402/U	4.45	4.03	3.63
296278CK	132107	31	—	Panel mount cable jack, 4-hole square flange, 0.085 semi-rigid	RG-405/U	4.65	4.45	4.24
296286CK	132109	32	—	Panel mount cable jack, 2-hole flange, 0.085 semi-rigid	RG-405/U	4.15	3.74	3.55
296294CK	132111	33	—	Right angle cable plug, 0.085 semi-rigid	RG-405/U	3.89	3.53	3.18
296307CK	132112	33	—	Right angle cable plug, 0.141 semi-rigid	RG-402/U	3.89	3.53	3.18
296315CK	132113	29	A	Straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	2.49	2.24	2.02
296323CK	132114	29	B	Straight crimp plug	RG-174/188A/316/B7805A	2.49	2.24	2.06
296340CK	132116	34	A	Straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.69	3.33	3.00
658945CK	132117	34	B	Straight crimp jack	RG-174/188A/316/B7805A	3.69	3.33	3.00
658849CK	132118	35	A	Bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.85	3.47	3.13
296331CK	132119	35	B	Bulkhead crimp jack	RG-174/188A/316/B7805A	4.05	3.68	3.35
296358CK	132122	33	A	Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	4.99	4.51	4.07
296366CK	132123	33	B	Right angle crimp plug	RG-174/188A/316/B7805A	4.49	4.06	3.69
296374CK	132134	36	—	Straight jack, PCB terminals	All 50Ω coax cables	3.45	3.29	3.13
658996CK	132136	37	—	Right angle jack, PCB	All 50Ω coax cables	5.75	5.51	5.26
659032CK	132168	38	—	Plug-to-plug adapter	All 50Ω coax cables	4.59	4.38	4.17
659041CK	132169	39	—	Jack-to-jack adapter	All 50Ω coax cables	3.85	3.67	3.50
659067CK	132171	40	—	Plug-to-jack adapter	All 50Ω coax cables	4.25	4.05	3.86
659075CK	132172	41	—	Right angle plug-to-jack adapter	All 50Ω coax cables	6.09	5.63	5.04
296403CK	132195	29	A	Straight crimp plug	RG-55/142/223/400	2.95	2.90	2.67
659008CK	132203	42	—	Right angle bulkhead jack, PCB	All 50Ω coax cables	7.75	7.41	7.08
658751CK	132231	29	A	Straight crimp plug	RG-8X/LMR240/B7808A	4.09	3.70	3.48
658742CK	132234	29	A	Straight crimp plug	LMR200/B7807A	2.85	2.57	2.32



Fig. 29



Fig. 30



Fig. 31



Fig. 32



Fig. 33



Fig. 34



Fig. 35



Fig. 36



Fig. 37



Fig. 38



Fig. 39



Fig. 40



Fig. 41



Fig. 42

Amphenol Connex

SMB Connectors 50Ω

NEW

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
659358CK	142186	43	B	Straight crimp plug	RG-174/188A/316/B7805A	\$4.39	\$3.71	\$3.52
659366CK	142187	43	C	Straight crimp plug	RG-316/U double braided	4.25	3.71	3.52
659374CK	142229	43	B	Straight crimp plug	RG-178/196	4.49	4.07	3.64



Fig. 43

Amphenol Connex

MCX/MMCX Connectors 50Ω

NEW

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296649CK	252102	44	B	MCX right angle crimp plug	RG-174/188A/316/B7805A	\$4.35	\$3.84	\$3.55
662506CK	252103	45	B	MCX straight crimp plug	RG-174/188A/316/B7805A	4.15	4.09	4.04
296657CK	252105	46	—	MCX straight jack, PCB	All 50Ω coax cables	3.39	3.24	3.09
296665CK	252109	44	—	MCX right angle solder plug, 0.085 semi-rigid	RG-405/U	4.25	4.05	3.86
296673CK	262102	47	B	MMCX right angle cable plug	RG-178/196	3.15	3.09	2.98
296681CK	262103	47	B	MMCX right angle cable plug	RG-174/188A/316/B7805A	3.15	3.09	2.98



Fig. 44



Fig. 45





Fig. 46



Fig. 47

* Crimp tools for these connectors are on page 317

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

BNC Connectors and Adapters

A Jameco
EXCLUSIVE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355098CK	31-2	1	UG-88/U	50Ω BNC plug, clamp, for RG-58 /141/142/400 cables	\$3.59	\$2.75	\$2.55
311343CK	31-10-RFX	2	—	50Ω BNC jack, bulkhead	1.89	1.83	1.78
355101CK	31-202	1	UG-88C/U	50Ω BNC plug, clamp, for RG-55/58/141/142/223/400 cables	3.59	3.07	2.23
355119CK	31-203	3	UG-290A/U	50Ω BNC receptacle, panel mount, solder cup	5.65	4.42	3.28
355127CK	31-208-RFX	4	UG-274A/U	50Ω BNC T-adapter, jack-plug-jack	3.29	2.81	1.92
355135CK	31-212	1	UG-260B/U	50Ω BNC plug, clamp, for RG-59/62/71/140/210/302 cables	3.49	2.67	2.48
363961CK	31-218	5	UG-491A/U	50Ω BNC straight adapter, plug-plug	7.69	5.91	4.88
355151CK	31-219-RFX	6	UG-914/U	50Ω BNC straight adapter, jack-jack	2.49	2.21	1.68
363979CK	31-220G-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.75	2.47	1.69
355362CK	6775	1	UG-959/U	50Ω BNC plug, clamp/solder, for RG-8/9/87A/213/214/225	8.09	7.99	7.28
311319CK	68175-5RFX	9	—	50Ω BNC 3-pc plug for crimp RG-59	1.15	.98	.80
311327CK	69475	1	—	50Ω BNC plug, clamp for RG-174/179/187/188/316	6.05	5.18	3.56
311351CK	31-220N-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.99	2.71	2.46
355178CK	31-221	8	UG-1094/U	50Ω BNC bulkhead receptacle w/ grounding lug, solder cup	2.09	1.79	1.65
311378CK	31-315	9	—	50Ω BNC 3-pc cable crimp plug, for RG-174 cables	4.49	3.82	3.19
355215CK	31-315-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	1.55	1.49	1.39
355223CK	31-318-RFX	11	—	50Ω BNC bulkhead jack, for RG-174/188/316 cables	2.95	2.75	2.22
355240CK	31-320-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-58/141 cables	1.32	1.25	1.23
311394CK	31-321	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	4.49	3.48	2.79
311408CK	31-321-RFX	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	1.35	1.29	1.07
355258CK	31-2221	13	UG-1094A/U	50Ω BNC bulkhead receptacle, solder cup	2.39	2.06	1.52
311511CK	31-70000	14	—	75Ω 3-pc plug, crimp, RG-6 type, Belden 9248/1694A	4.19	3.49	3.07
311520CK	31-70008-1000	14	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	5.85	4.48	3.49
311538CK	31-71000-RFX	15	—	75Ω BNC 3-pc plug, crimp, for RG-6 type 0.295" O.D. cables, Belden 9248/1694A cables	1.89	1.78	1.37
311546CK	31-71008-RFX	16	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	1.42	1.29	1.18
311554CK	31-71013-RFX	17	—	75Ω BNC plug, crimp, for RG-179/187 cables	1.99	1.64	1.59
311562CK	31-71014-RFX	18	—	75Ω BNC jack, crimp, for RG-179/187 cables	1.75	1.69	1.49
311571CK	31-71032	19	—	75Ω BNC 3-pc plug, crimp, for Belden 8281/88281 cables	3.05	2.62	2.08
311589CK	31-71033	20	—	75Ω BNC 3-pc plug, crimp, for Belden 8218 cables	3.75	3.41	3.10



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

TNC Type Connector

A Jameco
EXCLUSIVE

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311415CK	31-2367-RFX	21	—	50Ω TNC plug, crimp-crimp, for RG-58/141 cables	\$1.35	\$1.29	\$1.07

Fig. 21



Type N Connectors

A Jameco
EXCLUSIVE

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311600CK	82-97-RFX	22	UG-58A/U	50Ω Type N receptacle jack, panel mount	\$3.59	\$2.56	\$2.31
311618CK	82-202-1006	23	—	50Ω Type N clamp plugs, for B9913/Amp TWB 4001 cables	6.59	4.97	4.07



Fig. 22



Fig. 23

SMA Connectors

A Jameco
EXCLUSIVE

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355282CK	901-143-6RFX	24	—	50Ω SMA jack, right angle, PC mount	\$4.35	\$3.85	\$3.60
355291CK	901-9876-RFX	25	—	50Ω SMA plug, crimp, for RG-58C/U; RG58/U cables	2.55	2.21	1.80
355303CK	901-9877-RFX	26	—	50Ω SMA plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	2.55	2.21	1.80



Fig. 24



Fig. 25



Fig. 26

MMCX Connector

A Jameco
EXCLUSIVE

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311686CK	908-43200	27	—	50Ω MMCX right angle plug, crimp for RG-178/U cables	\$6.35	\$5.15	\$4.97
311693CK	904-43300	27	—	50Ω MMCX right angle plug, crimp for RG-174/188/316	7.09	6.29	5.59





Fig. 27




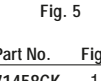
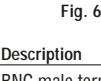

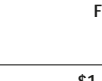
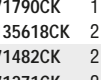
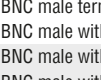
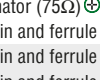
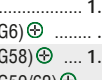

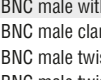
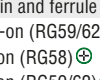


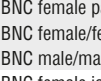


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JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Coax Connectors**

- Miniature, lightweight units designed to operate up to 11GHz and typically yield low reflection up to 4GHz

Part No.	Fig.	Description	1	10	100	500
71458CK	1	BNC male terminator (50Ω) ⊕	\$1.55	\$1.15	\$0.99	\$0.89
71790CK	1	BNC male terminator (75Ω) ⊕	1.35	1.09	.89	.73
135618CK	2	BNC male with pin and ferrule (RG6) ⊕	.89	.69	.45	.39
71482CK	2	BNC male with pin and ferrule (RG58) ⊕	1.65	1.49	1.35	1.25
71271CK	2	BNC male with pin and ferrule (RG59/62) ⊕	.81	.66	.59	.54
112109CK	2	BNC male with pin and ferrule (RG174) ⊕	1.59	1.45	1.29	1.15
119394CK	3	BNC male clamp-on (RG59/62) ⊕	1.39	1.25	1.15	.89
108994CK	4	BNC male twist-on (RG58) ⊕	1.49	1.35	1.19	.95
71781CK	4	BNC male twist-on (RG59/62) ⊕	1.09	.99	.89	.79
71589CK	5	BNC female panel mount (UG-1094A) ⊕	1.49	1.35	1.25	1.09
71909CK	6	BNC female/female coupler (UG-914) ⊕	1.29	.99	.85	.74
127343CK	7	BNC male/male coupler (UG-491B/U) ⊕	1.99	1.79	1.39	1.29
111561CK	8	BNC female isolated bulkhead ⊕	2.29	1.99	1.79	1.59
148224CK	9	BNC female bulkhead feed-thru ⊕	1.99	1.79	1.59	1.39
148232CK	9	BNC female isolated bulkhead feed-thru ⊕	2.49	2.25	1.79	1.35
127351CK	10	BNC M-F right angle (DG-306B/O) ⊕	2.49	2.19	1.85	1.59
160928CK	11	BNC female, crimp type (RG58) ⊕	1.25	1.09	.99	.89
161921CK	11	BNC female, crimp type (RG174) ⊕	1.49	1.35	1.19	1.05
174289CK	12	BNC female chassis mount ⊕	1.19	.98	.88	.79
174297CK	13	BNC female twist-on bulkhead ⊕	2.25	2.02	1.62	1.22
174254CK	14	BNC male to F connector female ⊕	1.99	1.59	1.45	1.19
207183CK	15	BNC male to RG58/59 crimp on ⊕	3.99	3.59	2.89	2.15

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC PCB Connectors**

- Maintains matching impedance at 50Ω & 75Ω
- Ideal for LAN cards & precision video

Part No.	Description	Length (L)	1	10	100	500
146510CK	BNC female R/A plastic insulation ⊕	1.37"	\$1.95	\$1.75	\$1.49	\$1.25
161656CK	BNC female right-angle metal ⊕	.861"	2.29	1.99	1.79	1.59

Other Manufacturers — Great Deals

- Length: 0.830"



Part No.	Description	1	10	100	500
210884CK	BNC female straight/panel mount metal	\$1.35	\$1.20	\$1.09	\$0.99

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Adapters**

- Silver-plated • General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

Part No.	Description	1	10	100	500
118594CK	Male to female/female T-adapter ⊕	\$2.39	\$2.15	\$1.75	\$1.25
207095CK	Female to male/male T-adapter ⊕	6.99	6.25	5.59	4.99
72629CK	Female to female/female T-adapter ⊕	2.49	2.25	1.99	1.69
207087CK	Female to male/female T-adapter ⊕	9.95	8.95	6.45	5.39
100597CK	Male to female/female T-adapter (180°) ⊕	5.99	5.39	4.85	3.99
207116CK	Male to female/female/female T-adapter ⊕	7.19	6.45	5.79	4.95
117461CK	Male to female/female F-adapter (90°) ⊕	4.29	3.89	3.49	2.99
207124CK	Male/male to female/female T-adapter	4.49	4.05	3.25	2.45
207167CK	RCA female to BNC female ⊕	1.99	1.79	1.59	1.39
114788CK	RCA female to BNC male adapter ⊕	1.35	1.05	.99	.98
207175CK	RCA male to BNC male ⊕	1.99	1.79	1.59	1.39
114753CK	RCA male to BNC female adapter ⊕	1.59	1.45	1.29	1.09
114770CK	BNC female to "F" connector male adapter ⊕	1.79	1.59	1.39	1.19
207141CK	3.5mm mono male to BNC female ⊕	1.69	1.49	1.27	.95

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Male Coax Cables**

RG6 75Ω Cables

Part No.	Description	1	10	50	100
176794CK	3' BNC to BNC ⊕	\$3.95	\$3.55	\$3.19	\$2.89
176815CK	6' BNC to BNC ⊕	4.95	4.49	4.05	3.35

RG58/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
181307CK	CRG58-1RR ⊕	1	\$3.65	\$3.29	\$2.95	\$2.75
102314CK	CRG58-1 ⊕	1.5	3.99	3.39	2.87	2.15
256743CK	CBB-224-24 ⊕	2	4.15	3.69	3.32	2.99
11404CK	CRG58-3 ⊕	3	4.29	3.89	3.49	3.15
102331CK	CRG58-6 ⊕	6	4.39	3.99	3.59	3.19
152311CK	RG58MF-6 ⊕*	6	2.95	2.66	2.12	1.59
180822CK	CRG58-10 ⊕	10	4.49	3.99	3.40	2.99
102349CK	CRG58-12 ⊕	12	4.95	4.49	3.99	3.39
169818CK	CRG58-15 ⊕	15	5.95	5.36	4.66	4.34
102381CK	CRG58-100 ⊕	100	13.49	12.14	9.71	7.28

*152311CK has male & female coax

Other Manufacturers

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
102357CK	CRG58-25 ⊕	25	\$6.49	\$5.84	\$5.26	\$4.75
102365CK	CRG58-50	50	9.49	8.54	6.83	5.12
319644CK	205-5100	100	13.09	11.89	9.52	7.13

RG59/U 75Ω Cables

- For CATV and video patch cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
86471CK	CRG59-1 ⊕	1.5	\$2.99	\$2.69	\$2.45	\$2.19
85542CK	CRG59-6 ⊕	6	3.75	3.38	3.04	2.56
102373CK	CRG59-12 ⊕	12	5.49	4.95	4.45	3.99
262730CK	EBC-525 ⊕	25	9.95	8.95	8.05	7.25
262748CK	EBC-550 ⊕	50	17.05	16.25	15.45	14.69
262764CK	EBC-510 ⊕	100	30.39	28.89	27.45	25.99

RG174/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
111472CK	RG174U3 ⊕	3	\$3.85	\$3.49	\$3.15	\$2.85
111481CK	RG174U6 ⊕	6	4.59	4.15	3.75	3.35
















75Ω "F" Connectors/Adapters/Terminators



Part No.	Ref. No.	Fig.	Description	1	10	50	100
291581CK	200-016	1	Perma-seal, RG-59 coax	.69	.59	.55	.49
291531CK	200-028	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CK	200-050	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CK	200-051	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CK	200-053	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CK	200-107	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295398CK	200-103	5	F-jack to push-on plug (nickel)	.85	.69	.627	.523
295435CK	200-104	5	F-jack to push-on plug (gold)	1.15	.99	.95	.89
295311CK	200-117	6	F-jack to 3.5mm mono plug (nickel)	1.65	1.35	1.13	.93
295451CK	200-075	7	F-plug terminator	.55	.45	.35	.25
309657CK	200-045	8	RCA female to F male adapter	1.75	1.35	.97	.87

75Ω "F" Connectors

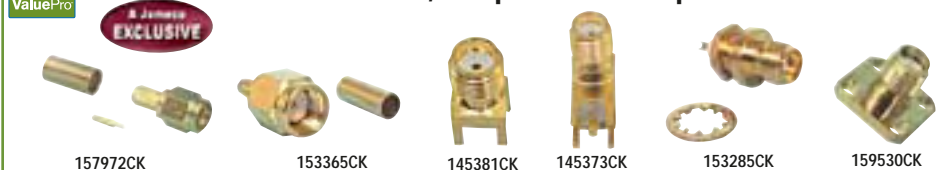


Part No.	Cross Ref No.	Fig.	Description	1	10	50	100
289828CK	200-030	1	RG-59 crimp-on nickel plated	.22	.20	.17	.14
289908CK	200-031	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CK	200-035	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CK	200-036	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CK	200-039	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CK	200-040	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CK	200-038	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CK	200-024	4	RG-6 crimp-on weatherproof seal	.55	.46	.37	.33

Commercial Customers

Open an account with us to consolidate your monthly billing and to save time.

SMA Connectors, Adapters and Couplers



- Application: cellular phone, data communication, instrumentation, and video
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C
- 50Ω impedance
- Plating: gold and nickel

Connectors

Part No.	Description	Cable Type	Plated	1	10	50	100
157972CK	SMA 50Ω crimp type male plug connector	RG-58	Gold	\$3.99	\$3.59	\$3.29	\$2.99
153365CK	SMA 50Ω crimp type male plug connector	RG-174	Gold	4.39	3.95	3.55	3.19
145381CK	SMA straight female PCB mount connector, 4 legs	—	Gold	5.25	4.75	4.25	3.49
145373CK	SMA 90° female PCB mount connector, 4 legs	—	Gold	7.39	6.65	5.95	5.39
153285CK	SMA bulkhead solder female w/ washer, rear mount	RG-58/174	Gold	3.49	3.15	2.85	2.59
159530CK	SMA female panel mount conn., 4 mounting holes	RG-58/174	Gold	2.95	2.65	2.35	2.10
160021CK	SMA female panel mount conn., 2 mounting holes	RG-58/174	Gold	3.99	3.59	3.25	2.95
160012CK	Panel mount feed thru connector female – female	—	Nickel	4.99	4.49	3.99	3.49

* 159530CK/160021CK: Solder cup

Couplers

Part No.	Description	Plated	1	10	50	100
153293CK	SMA straight coupler female – jack-to-jack	Gold	\$3.85	\$3.39	\$2.19	\$1.79
161277CK	SMA 3-way coupler, 1 male – 2 female	Gold	3.49	3.15	2.85	2.55
161293CK	SMA straight coupler male – male	Gold	3.65	3.29	2.95	2.75
161306CK	SMA right angle coupler male – female	Gold	4.99	4.49	3.99	3.65

SMA to BNC Adapters

Part No.	Description	Plated	1	10	50	100
153453CK	SMA female to BNC male adapter	Nickel	\$2.49	\$2.25	\$1.99	\$1.79
159468CK	SMA female to BNC female adapter	Nickel	2.69	2.45	2.19	1.99
153592CK	SMA male to BNC male adapter	Nickel	3.99	3.59	3.19	2.89
159476CK	SMA male to BNC female adapter	Nickel	2.99	2.69	2.45	2.19

SMB Connectors



- For use with RG-174 coax
- 50Ω crimp type
- Use with crimping tool P/N 114534CK, pg 280
- Gold plated

Part No.	Description	1	10	50
172363CK	Bulkhead crimp jack	\$3.49	\$2.95	\$2.49
172371CK	Cable crimp plug	4.29	3.89	3.49

SMB PCB Connector

- 0-4GHz electrical performance
- Gold plated brass
- Insulation: teflon
- Contact: beryllium copper

Part No.	Description	1	10	50
167311CK	Right angle PCB	\$4.45	\$3.89	\$3.25

Hex Crimp Tools

- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule
- 261745CK: 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule
- 261737CK: Ferrules up to 1/2"

Part No.	Description	1	5
261745CK	Hex crimp tool (3/8")	\$19.75	\$18.55
261737CK	Hex crimp tool (1/2")	18.49	16.65

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily.



Type N Adapter

- Male to male
- Nickel plated machined brass construction
- Gold plated contacts



Part No.	Description	1	10	25
309622CK	N-series adapter	\$3.75	\$2.99	\$2.45

AMP BNC Connectors

T3/E3 Applications

- Right angle
- 50Ω
- PC board/panel mount jacks
- Crimp jacks
- Crimp plugs

Additional Hardware

- Washers
- Nuts

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Our AMP BNC Connector Offering at www.Jameco.com/Prod/AMPBNC

Cinch SMA/SMB Connectors

SMA

- Jacks and plugs
- Straight, right angle and edgemount

SMB

- Jacks
- Straight or right angle



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch RF Connector Offering at www.Jameco.com/Prod/CinchRF

JAMECO ValuePro SMA/SMB 50Ω Coax Cables



Fig. 1: SMA male to SMA male
 Fig. 2: SMA male to SMA right angle male
 Fig. 3: SMA right angle male to SMA right angle male
 Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370CK	RG-58	1	2	\$4.49	\$3.99	\$3.49
159396CK	RG-58	1	6	5.49	4.89	4.19
169800CK	RG-174	1	0.5	5.59	4.99	4.55
163854CK	RG-174	1	1	4.49	3.95	3.39
153381CK	RG-174	1	2	4.95	4.29	3.39
153390CK	RG-174	1	4	5.49	4.75	4.29
159450CK	RG-174	1	6	6.79	6.15	5.55
175126CK	RG-174	2	0.5	4.49	3.95	3.49
175134CK	RG-174	2	1	4.95	4.25	3.75
175142CK	RG-174	3	0.5	5.75	5.25	4.49
175151CK	RG-174	3	1	6.25	5.75	4.75
175169CK	RG-174	4	0.5	4.29	3.89	3.49
175177CK	RG-174	4	1	5.29	4.79	3.95

Terminal Blocks and Header

- For detailed specifications, please see our website at www.Jameco.com
- 164814CK: Male header (.197") for use with 164793CK and 164806CK



Fig. 1 (99397CK)

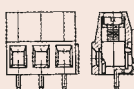


Fig. 2 (160784CK)

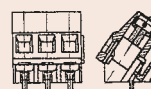


Fig. 3 (161066CK)



Fig. 4 (189675CK)



Fig. 5 (164793CK)



Fig. 6 (164806CK)



Fig. 7 (249084CK)



Fig. 8 (152346CK)

Top View

Fig. 9 (164814CK) use w/ Fig. 5 & 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99426CK	Dinkle	DT128/2	1	2	0.197"/5mm	.72	.55	.44	.40
99397CK	Dinkle	DT128V3P	1	3	0.197"/5mm	.99	.89	.79	.59
160784CK	Dinkle	EK500V-02P	2	2	0.197"/5mm	.65	.55	.45	.39
160792CK	Dinkle	EK500V-03P	2	3	0.197"/5mm	.95	.85	.75	.69
161066CK	Dinkle	EK500A-02P	3	2	0.197"/5mm	.75	.65	.49	.39
161058CK	Dinkle	EK500A-03P	3	3	0.197"/5mm	.95	.85	.75	.69
189675CK	OST	EDC500/2DS	4	2	0.197"/5mm	.79	.71	.64	.58
189667CK	OST	EDC500/3DS	4	3	0.197"/5mm	.89	.80	.72	.61
164793CK	OST	EDC130/2DS	5	2	0.197"/5mm	.59	.53	.47	.42
164806CK	OST	EDC130/3DS	6	3	0.197"/5mm	.84	.76	.62	.54
249084CK	OST	EDZ750/3	7	3	0.200"/5.08mm	1.49	1.39	1.19	.89
152346CK	OST	EDC120/2DS	8	2	0.200"/5.08mm	.65	.55	.45	.39
152354CK	OST	EDC120/3DS	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814CK	OST	EDSTL130/24	9	24	0.197"/5mm	2.19	1.97	1.80	1.36

Cinch

Double Row Barrier Blocks

- Voltage rating: 250VAC RMS max.
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Eyelet material: brass with nickel plating
- Screw material: steel with nickel over copper flash plating
- Solder terminal material: brass with electro-tin plating



140 Series 15A

- 3750-watts per terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16"
- Density: 0.375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973CK	2-140	2	1.41"	\$.99	\$.89	\$.74
230981CK	3-140	3	1.78"	1.29	1.15	.95
230990CK	4-140	4	2.16"	1.45	1.29	1.05
231001CK	5-140	5	2.53"	1.59	1.44	1.18
231010CK	6-140	6	2.91"	1.99	1.79	1.48
231028CK	7-140	7	3.28"	2.19	1.95	1.59
231036CK	8-140	8	3.66"	2.49	2.24	1.83
231044CK	9-140	9	4.03"	2.79	2.49	2.03
231052CK	10-140	10	4.41"	3.25	2.89	2.35
231061CK	12-140	12	5.16"	3.55	3.15	2.59

141 Series 20A

- 5000-watts per terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4"
- Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231351CK	2-141	2	1.63"	\$.99	\$.85	\$.72
231360CK	3-141	3	2.10"	1.69	1.45	1.09
231378CK	4-141	4	2.50"	1.79	1.59	1.25
231394CK	6-141	6	3.38"	1.99	1.75	1.45
231407CK	7-141	7	3.81"	2.49	2.25	1.85
231415CK	8-141	8	4.25"	2.79	2.35	1.94
231423CK	9-141	9	4.69"	2.99	2.59	2.19
231431CK	10-141	10	5.13"	3.19	2.79	2.29
231440CK	12-141	12	6.00"	3.59	3.29	2.69

To Find Additional Cinch Double Barrier Blocks, Visit www.Jameco.com/Prod/Cinch2RBlocks



Beau® Terminal Blocks

NEW
ON THE WEB

38770 Series

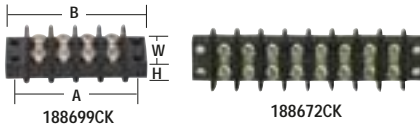
- .375" double row terminal blocks
- Dielectric withstanding voltage: 7500VDC
- Insulation resistance: >5000MΩ
- Insulator: Thermoplastic, UL94V-0
- Terminal: Brass, nickel plate
- Screws: #6-32 steel, zinc chromate plate
- 2-circuit to 30-circuit



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Beau Terminal Blocks Offering at www.Jameco.com/Prod/MolexBeau

KULKA® 601 GP Series Double Row Terminal Blocks



- Base: general purpose phenolic; 150°C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated • Width (W): 1.12"
- .437" (11 mm) centers • Height (H): .50"
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design
- UL/CSA/CE approved



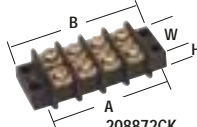
Part Number	Product Number	Poles	Dimensions A" B"	1	10	50
188699CK	601GP4	4	2.19 2.50	\$1.69	\$1.49	\$1.35
188681CK	601GP6	6	3.06 3.38	2.39	2.19	1.89
188672CK	601GP8	8	3.94 4.25	2.95	2.75	2.49
188664CK	601GP10	10	4.81 5.13	3.49	3.25	2.95
188701CK	601GP12	12	5.69 6.00	5.49	4.95	3.95

Metric Double Row Terminal Blocks

- Body material: black thermoplastic (UL94V-0)
- 12-18 AWG
- Terminals: brass tin plated
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



Part Number	Cross Ref. No.	Poles	Dimensions A B	1	10	50
208856CK	GGE-10-4P	4	47.5 55	\$.99	\$.89	\$.79
208864CK	GGE-10-6P	6	64.5 74	1.39	1.25	1.15
208872CK	GGE-10-8P	8	95 102.5	1.69	1.59	1.49
208899CK	GGE-10-10P	10	104.5 112	2.39	2.15	1.89
208881CK	GGE-10-12P	12	123.5 131	2.79	2.49	2.25

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm



Part Number	Cross Ref. No.	Poles	Dimensions A B	1	10	50
207538CK	GGE-20-4P	4	54.5 63.5	\$1.39	\$1.25	\$1.10
207546CK	GGE-20-6P	6	76.3 85.3	1.99	1.79	1.59
207554CK	GGE-20-8P	8	98.1 107.1	2.59	2.35	2.15
207562CK	GGE-20-10P	10	119.9 128.9	3.29	2.99	2.69
207571CK	GGE-20-12P	12	141.7 150.7	3.59	3.19	2.79



Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow
- Size: 9.0"L x 2.0"W



Part No.	Product No.	1	10	25
72995CK	HT303	\$18.95	\$17.06	\$15.10



Terminals

Panduit Terminals are designed for fast, consistent installation and lasting reliability.

489256CK: High Temp. Non-Insulated Ring Terminal

- 600V; 343°C (650°F) operating temperature
- Brazed seam assures a reliable crimp
- Internally beveled for easy wire insertion
- Extended length is easier to crimp and assures good quality wire contact



489361CK/489379CK/489387CK: Nylon Insulated Funnel Entry Ring Terminal

- 600V; 105°C (221°F) operating temperature
- Insulation may be crimped to the wire insulation to add strain relief and resistance to pull-out
- Funnel entry speeds wire insertion
- Metal insulation crimp provides double crimp with insulation grip sleeve for high vibration or conductor strain environments

489221CK: Supra-Grip™ Nylon Fully Insulated Female Disconnect

- Integrated metal insulation grip to meet double crimp requirements
- Internal wire barrel serrations for maximum wire tensile strength
- Color coded insulation • Funnel entry

Minimum order 1000 pieces

Part No.	Product No.	Description	1000	5000
489256CK	P14-6RHT6-M	16-14 AWG; #6	\$1.17	\$1.11
489361CK	PNF10-10R-D	12-10 AWG; #10	.311	.295
489379CK	PNF14-6R-C	16-14 AWG; #6	.63	.56
489387CK	PNF18-10R-M	22-18 AWG; #10	.23	.22
489221CK	DNG14-250FB-M	16-14 AWG; .250"	.181	.172

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Buchanan Barrier/Terminal Blocks

Terminal Blocks

- Straight or right angle
- Polarization keys for virtually error-free mating
- Built-in interlocks to assemble higher number of ways

Europa Terminal Blocks

- Modular design
- Tubular contacts
- Wire protectors



Dual Barrier Strips

- Fast wiring – backed-out wire-ready screw
- Interrupted thread designed to prevent screws from falling out

Tri Barrier Strips

- Help constrain frayed wire ends
- Back barriers to safeguard field wiring
- Fast wiring – backed-out wire-ready screw
- Interrupted thread designed to prevent screws from falling out



Interface Modules

- These modules convert industry specific connectors to field wiring and are designed to supply custom solutions

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch Mini DIN Offering at
www.Jameco.com/Prod/BuchananBlocks

Cinch Plug Buttons

- Contact material: steel
- Contact plating: nickel
- Provides ventilation



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Plug Button Offering at
www.Jameco.com/Prod/CinchButtons

171-Pc. Solderless Terminal Kit

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

170 Terminals
and Connectors!

- Clear, hinged plastic box
- Use crimping tool P/N 72995CK, pg 148



Part No.	Description	1	10	25
10989CK	Terminal kit	\$8.95	\$7.95	\$7.25



European Terminal Blocks

- Number of poles: 12
- 1.2mm raised base
- Working temp.: 230°F (110°C)
- Voltage: 600V
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Terminal insert: brass metal alloy, nickel plated
- Wire protector: stainless steel spring
- Screws: zinc plated, yellow chromed



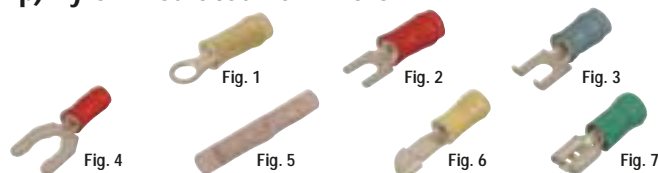
Part No.	Cross Ref.	Amps	AWG	1	10	100
215010CK	PA8H	20A	12-22	\$1.79	\$1.59	\$1.29
215028CK	PA10H	30A	10-22	1.89	1.69	1.39
215036CK	PA12H	35A	10-22	2.59	2.29	1.99



P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with a copper sleeve fitted over the terminal barrel to provide maximum insulation support.

- High dielectric strength
- Funnel ramp entry
- Copper support sleeve for insulation
- Temperature rating: 105°C
- Meets MIL-T-7928



Ring Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302594CK	323912R	1	#2	26-22	Yellow	\$.21	\$.208	\$.186
302607CK	323914R	1	#4	26-22	Yellow	.22	.215	.192
302615CK	323915R	1	#6	26-22	Yellow	.21	.208	.186
302623CK	323916R	1	#8	26-22	Yellow	.26	.251	.224
302631CK	324075R	1	#10	26-22	Yellow	.29	.283	.171
302640CK	328657R	1	#2	22-16	Red	.21	.208	.186
302658CK	31880R	1	#4	22-16	Red	.21	.19	.15
302666CK	36152R	1	#6	22-16	Red	.20	.145	.133
302674CK	31890R	1	#8	22-16	Red	.20	.15	.133
302682CK	36154R	1	#10	22-16	Red	.20	.15	.133
302691CK	31894R	1	1/4"	22-16	Red	.26	.251	.172
302703CK	31895R	1	5/16"	22-16	Red	.25	.242	.215
302711CK	31897R	1	3/8"	22-16	Red	.31	.305	.176
302720CK	320619R	1	#6	16-14	Blue	.20	.145	.133
302738CK	320565R	1	#8	16-14	Blue	.20	.145	.133
302746CK	36160R	1	#10	16-14	Blue	.20	.145	.133
302754CK	321045R	1	1/4"	16-14	Blue	.20	.169	.162
302762CK	328998R	1	5/16"	16-14	Blue	.25	.244	.167
302771CK	328999R	1	3/8"	16-14	Blue	.29	.284	.172
302789CK	35149R	1	#6	12-10	Yellow	.28	.182	.17
302797CK	35108R	1	#8	12-10	Yellow	.20	.189	.171
302800CK	35109R	1	#10	12-10	Yellow	.20	.189	.171
302818CK	35110R	1	1/4"	12-10	Yellow	.33	.327	.218
302826CK	35111R	1	5/16"	12-10	Yellow	.33	.327	.218
302834CK	35112R	1	3/8"	12-10	Yellow	.33	.327	.218
302842CK	35151R	1	1/2"	12-10	Yellow	.52	.286	.268

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851CK	328394R	2	#2	22-16	Red	\$.21	\$.208	\$.185
302869CK	327717R	2	#4	22-16	Red	.26	.253	.225
302877CK	34541R	2	#6	22-16	Red	.20	.145	.133
302885CK	32053R	2	#8	22-16	Red	.21	.208	.185
302893CK	32054R	2	#10	22-16	Red	.21	.208	.175
302906CK	35559R	2	#6	16-14	Blue	.21	.208	.146
302914CK	32059R	2	#8	16-14	Blue	.21	.208	.185
302922CK	321233R	2	#8	16-14	Blue	.24	.236	.21
302931CK	32060R	2	#10	16-14	Blue	.24	.236	.146
302949CK	326859R	2	#6	12-10	Yellow	.42	.416	.37
302957CK	32588R	2	#8	12-10	Yellow	.31	.309	.275
302965CK	32589R	2	#10	12-10	Yellow	.30	.256	.24

Flanged Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302973CK	324608R	3	#2	22-16	Red	\$.28	\$.273	\$.243
302981CK	32562R	3	#6	22-16	Red	.23	.227	.158
302990CK	32498R	3	#8	22-16	Red	.50	.451	.438
303001CK	320861R	3	#6	16-14	Blue	.24	.23	.159
303010CK	320862R	3	#8	16-14	Blue	.24	.23	.204
303028CK	320863R	3	#10	16-14	Blue	.23	.224	.199
303036CK	325150R	3	#6	12-10	Yellow	.59	.493	.461
303044CK	32510R	3	#8	12-10	Yellow	.25	.223	.19
303052CK	324015R	3	#10	12-10	Yellow	.39	.288	.269

Short Spring Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303061CK	82927R	4	#4	22-16	Red	\$.22	\$.209	\$.186
303079CK	52929R	4	#6	22-16	Red	.25	.238	.164
303087CK	52930R	4	#8	22-16	Red	.25	.238	.212
303095CK	52931R	4	#10	22-16	Red	.35	.345	.258
303108CK	52935R	4	#6	16-14	Blue	.25	.238	.164
303116CK	52936R	4	#8	16-14	Blue	.28	.27	.24
303124CK	52937R	4	#10	16-14	Blue	.28	.27	.24
303132CK	52941R	4	#6	12-10	Yellow	.32	.31	.248
303141CK	52942R	4	#8	12-10	Yellow	.36	.35	.282
303159CK	52943R	4	#10	12-10	Yellow	.36	.351	.282

Butt & Knife Disconnect Splices

Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	10	100
303167CK	323994R	5	Butt	26-22	Yellow	\$.39	\$.339	\$.317
303175CK	320559R	5	Butt	22-16	Red	.50	.496	.356
303183CK	320562R	5	Butt	16-14	Blue	.57	.496	.295
303191CK	320570R	5	Butt	12-10	Yellow	.85	.82	.499
303204CK	32446R	6	Knife disconn.	22-16	Red	.42	.411	.27
303212CK	32448R	6	Knife disconn.	16-14	Blue	.42	.411	.27
303221CK	35762R	6	Knife disconn.	12-10	Yellow	1.45	1.24	1.11

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303239CK	60894-1R	7	.110 x .032	22-18	Natural	\$.24	\$.232	\$.168
303247CK	640923-1R	7	.110 x .020	22-18	Red	.22	.214	.163
303255CK	640917-1R	7	.187 x .020	22-18	Red	.20	.162	.13
303263CK	640909-1R	7	.205 x .020	22-18	Red	.22	.214	.163
303271CK	640911-1R	7	.205 x .032	22-18	Red	.22	.214	.163
303280CK	640903-1R	7	.250 x .032	22-18	Red	.20	.16	.13
303298CK	640929-1R	7	.110 x .020	16-14	Blue	.22	.214	.163
303301CK	640919-1R	7	.187 x .020	16-14	Blue	.22	.214	.163
303319CK	640915-1R	7	.205 x .032	16-14	Blue	.22	.214	.163
303327CK	640905-1R	7	.250 x .032	16-14	Blue	.20	.162	.16
303335CK	42844-1R	7	.250 x .032	14-12	Green	.31	.30	.215
303343CK	640907-1R	7	.250 x .032	12-10	Yellow	.25	.237	.166

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72995CK, pg 148
- Sold in increments of 10, 100 or 1000



Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103683CK	Ring solderless	#6	22-16	Red	\$.11	\$.07	\$.05
103587CK	Spade solderless	#6	22-16	Red	.13	.06	.05
103595CK	Spade solderless	#8	16-14	Blue	.12	.068	.06

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106921CK	Female	.187"	22-16	Red	\$.12	\$.07	\$.05
103667CK	Female	.25"	22-16	Red	.12	.07	.05
109111CK	Female w/ hood	.25"	22-16	Red	.17	.11	.055

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

Heat-Sealable Terminals

Perma-Seal™
all-weather heat-sealable terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 to 22 AWG. They will insulate, seal and protect wire splices from physical abuse and abrasion, water, salt and other corrosive compounds.



- Types: ring, spade and butt splices
- Quick disconnects • NiAc™ insulation
- Snap plugs and receptacles
- Size: 6" (M3.5) to 3/4" (M18) stud size
- Wire gauge ranges: 8 to 22 AWG

Features:

- Long-lasting, moisture-proof connections that withstand water, salt, condensation, corrosion and heat, all of which cause serious problems for conventional, unsealed splices
- Inner seal repels moisture incursion, even during pressure cycling
- Stands up to some of the most rigorous tests that can be applied to high performance splices, such as the salt fog test MIL-T-7928
- Wall thickness is significantly thicker than the polyolefin or nylon products, providing excellent durability
- Shrinks up to 40% faster than polyolefin and nylon products

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Splice Offering at www.Jameco.com/Prod/MolexHST

Quick Disconnects

Quick Disconnects are connectors that mate with male tab terminals, tab adapters, terminal blocks fitted with male tabs and other electromechanical components like switches and relays.



- Types: straight, flag, piggyback style, snap plug, adapters, male, female
- Sizes: 2.79 mm (.110") to 6.35 mm (.250") tab width; 0.30 mm (.012") to 1.20 mm (.047") tab thickness
- Wire gauge ranges: 10 to 26 AWG
- Barrel types: Avikrimp® (Nylon Insulation with support sleeves), InsulKrimp® (PVC insulation), Krimptite®, Open Vibrakrimp®

Features:

- The terminal itself is constructed of tin-plated brass, per NEMA specifications
- Quick disconnects can be fully insulated, non-insulated, or partially insulated
- The insulators are either molded vinyl (PVC), extruded nylon or molded nylon

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Quick Disconnect Offering at www.Jameco.com/Prod/MolexQD

We're committed to providing you with the best service in the industry.



DIN Rail-Mounted Terminal Block and DIN Rail

Foot snaps onto standard DIN and DIN 2 rails. Terminals are positively retained on rails, but can be removed without disturbing adjacent units.

- Molded thermoplastic • Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A • 14-22 AWG

237083CK



248735CK

Sold in 1 meter (39") length

Part No.	Product No.	Type	1	10	100
237083CK	41296.2	SR2.5	\$.89	\$.79	\$.69
248735CK	2094.0	TS35 x 7.5 (35mm width x 7.5mm depth)	6.79	5.45	4.10



Ring Tongue Terminals

Ring tongue terminals are the basic tongue type. They are the safest and most reliable because they cannot be disconnected unless the screw is completely removed.



- Types: ring spade, block spade, snap spade, flanged spade, hook
- Stud size 3/4" (M18) – 0 (M1.5), AWG
- UL listed, CSA certified
- Barrel types: Flared InsulKrimp® (PVC insulation), Krimptite® NiAc™ (insulation), Nylakrimp® (nylon insulation), Nylakrimp® Funnel Entry (nylon insulation), Perma-Seal™ (NiAc), Versakrimp™ (seamless barrel), Open Vibrakrimp®

Features:

- Crimps in industry-standard tooling
- Seamless barrel design
- Can be easily crimped
- Flared barrel entry for easy wire insertion
- AWG wire size identification on barrel
- Made of CDA-110 copper stock offering 100% conductivity

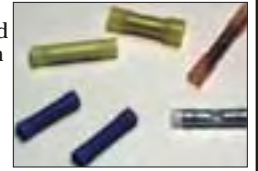
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See Our Complete Molex Ring Terminal Offering at www.Jameco.com/Prod/MolexRingTerm



Splices

Splices enable the parallel or end-to-end solderless connection of solid and/or stranded wires.



- Types: multi-lock, wire tap, wing lock butt – funnel entry, step down, window closed-end connector insert closed-end insulated, twist lock MagKrimp™ (magnet wire) parallel
- Wire gauge ranges: 4/0 to 26 AWG
- Barrel types: Avikrimp® (nylon insulation), InsulKrimp® (PVC insulation), Krimptite®, Nylakrimp® (Nylon insulation), Versakrimp™ (seamless barrel)

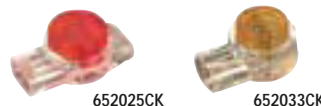
Features:

- High speed crimping provides the lowest applied cost. Easy, safe and clean to use with no soldering required
- Compression crimp produces a strong and dependable connection
- Precision crimp tooling provides consistent terminations, greatly reducing down time and human errors
- Mini Mac applicators fit into industry standard crimp presses

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Splice Offering at www.Jameco.com/Prod/MolexSplice

3M Scotchlok™ IDC Communications Connectors



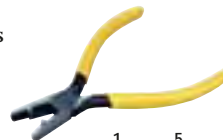
3M™ Scotchlok IDC communications connectors are used for tap splicing voice and data communication cables with solid copper single-conductor wires.

- 25 pieces per pkg.

Part No.	Product No.	Description	1	10	25
652025CK	03720	Red	\$6.99	\$6.25	\$5.61
652033CK	03721	Yellow	6.99	6.25	5.61

3M Connector Crimp Tool

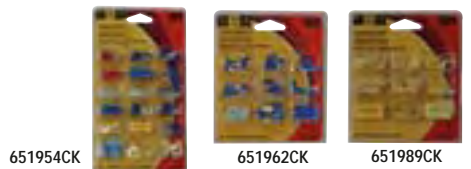
This E-9Y Scotchlok connector crimp tool is used for crimping Scotchlok IDC telecom splices.



Part No.	Description	1	5	10
652244CK	Crimp tool	\$34.25	\$32.61	\$30.98

3M Electrical Connector Kits

3M™ Electrical Connectors are reliable, simple to use and versatile.



Part No.	Description	1	10	25
651954CK	79 pc. electrical kit	\$17.25	\$15.29	\$13.73
651962CK	48 pc. 16-14AWG term. kit	9.39	8.35	7.49
651989CK	28 pc. 12-10AWG term. kit	8.99	7.99	7.19
651997CK	Asst. quick connect kit	7.99	7.16	6.43
652009CK	Asst. splice connect kit	8.99	7.99	7.19
652041CK	Heatshrink splice kit	14.89	13.19	11.85

3M Find our selection of 3M Products on pages 111-112, 151, 187, 283, 290-291 & 317.

3M Spring Connectors



This simplifies selection of the right connector for a wide range of wiring jobs. There's also less inventory to manage, and a better chance you'll have the connector you need to do every job.

285683CK: 2#22 to 2#12AWG, orange with blue skirt; replaces the orange, blue, and gray wire nut style connectors as well as 70% of the yellow wire nut and wing style connectors

285691CK: 2#18 to 2#8 to 5#12 AWG, red with yellow skirt, replaces both red and yellow wing style connectors

285704CK: 4#14 to 2#6 to 3#8 AWG, blue with gray skirt, covers both the large blue and gray connectors

• Minimum order 10 pieces

Part No.	Product No.	10	100	500
285683CK	3M O/B+	\$.084	\$.075	\$.071
285691CK	3M R/Y+	.132	.106	.10
285704CK	3M B/G+	.41	.37	.32

Wire Connectors



- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Strip wire before application • Twist on type
- Material: PVC with metal spring, except P/N 182449CK nylon 66, 94-2 and P/N 140716CK PE - metal inside

182449CK: UL/CSA approved

• Minimum order 10 pieces

Part No.	Description	Color	10	100	1000
182449CK	Crimp 16-14 AWG * Nat.		\$.06	\$.055	\$.049
182511CK	Wire nut 16 AWG Blue ....		.045	.04	.035
140716CK	Wire IDC 22-18 AWG Red ....		.15	.14	.10

* Requires crimping tool (P/N 72995CK, pg 148)

Telecom Splice Connectors

- Provides clean, solid, and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes

169754CK: Y-type

• Minimum order 10 pieces

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169746CK	Yellow	22-26	2	\$.11	\$.10	\$.08
169754CK	Red	19-26	3Y	.15	.14	.12

Free Technical Support



Our knowledgeable Tech Support department is ready to answer your questions. Just call us!

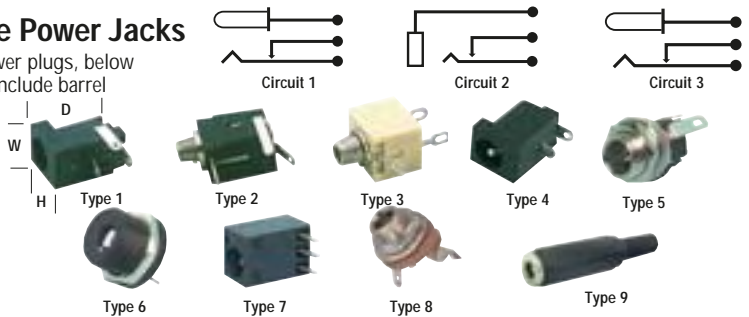
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Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

Terminals	Code
Solder eyelet	A
PC board	B



Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing			
						1	10	100	1000

1.3 mm Male Jacks

101194CK	PP024	6.0 x 6.0 x 9.0	7/D	1/B	1.3 mm female	\$.62	\$.48	\$.44	\$.36
265421CK	420ECS	7.3 x 5.0 x 11.5	1/D	1/B	1.3 mm female	.69	.55	.49	.45

2.1 mm Male Jacks

101178CK	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm female	\$.49	\$.44	\$.39	\$.35
137672CK	PP013	10.9 x 9.0 x 14.5	4/D	3/A	2.1 mm female	.40	.36	.32	.29
151589CK	DPJ-021A	13.0 x 12.6 Dia.	6/C	1/A	2.1 mm female	1.09	.93	.70	.65
151554CK	DPJ-026	15.1 x 8.0 Dia.	5/E	1/A	2.1 mm female	1.49	1.25	1.05	.89
159610CK	PJ1014A	35.8 x 12.6 Dia.	9/F	3/A	2.1 mm female	1.49	1.25	1.09	.89

2.5 mm Male Jacks

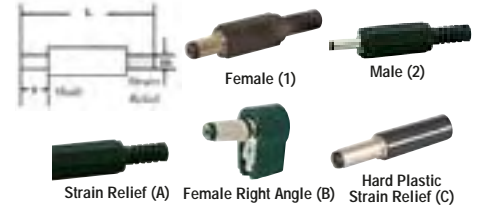
207714CK	HEC0470	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm female	\$.45	\$.35	\$.29	\$.25
101186CK	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm female	.59	.53	.42	.32
151562CK	DPJ-026A	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm female	1.49	1.24	1.13	.99
159505CK	PJ1015A	35.8 x 12.6 Dia.	9/F	3/A	2.5 mm female	1.39	1.25	1.13	1.01
202358CK	HD2388	17.0 x 12.0 Dia.	6/C	3/A	2.5 mm female	1.09	.98	.88	.79

3.5 mm Female Jacks

101143CK	PJ0352	10.0 x 10.0 x 18.5	2/E	2/A	3.5 mm male	\$.35	\$.32	\$.25	\$.19
109495CK	PJ035PM	10.5 x 9.0 x 8.8	3/C	2/A	3.5 mm male	.45	.40	.36	.32
165729CK	PJ0354	8.9 x 5.7 Dia.	8/C	3/A	3.5 mm male	.69	.59	.49	.39

Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 218-221
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280CK, to make custom length power cables, pg 103



Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S (shaft) x L x ID (strain relief)	Type	Pricing			
					1	10	100	1000

Female Plugs

71191CK	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (black)	1/A	\$.79	\$.71	\$.65	\$.59
191484CK	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (white)	1/A	.69	.62	.56	.50
28759CK	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (black)	1/A	.59	.49	.39	.29
147328CK	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (black)	1/A	.69	.62	.56	.50
138587CK	PJ021R	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (black)	1/B	.79	.63	.55	.49
190537CK	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (black)	1/A	.39	.32	.29	.19
28767CK	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (black)	1/A	.59	.49	.39	.33
191492CK	PP109W	2.5 x 5.5	10.1 x 45.4 x 4.5 (white)	1/A	.39	.35	.32	.26
147336CK	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (black)	1/A	.75	.68	.61	.55
168241CK	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (black)	1/C	.59	.49	.43	.35

Male Plugs

101135CK	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (black)	2/A	\$.59	\$.53	\$.39	\$.29
147459CK	PJ1025L	2.5 (P201L)	10.5 x 48.0 x 5.0 (black)	2/A	.39	.27	.26	.22
101151CK	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (black)	2/A	.49	.38	.35	.29
147344CK	PJ1035L	3.5 (P202L)	14.1 x 51.0 x 5.2 (black)	2/A	.49	.38	.35	.29

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse
- 124759CK:** pigtail end
- 364138CK:** 2.1mm x 5.5mm F connector

Part No.	Description	1	10	100
115001CK	W/ 5A/250VAC fuse	\$1.95	\$1.65	\$1.19
124759CK	W/ 3A/250VAC fuse & 3' cord	1.89	1.72	1.69
364138CK	W/ 5A/250VAC fuse & 70' cord	3.49	3.14	2.78



Bipolar and Unipolar Stepper Motors

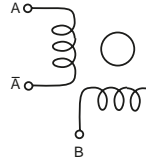
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Quantity SAVE

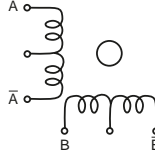
Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998CK, pg 302, for shaft coupler

Bipolar (2-phase)



Unipolar (4-phase)



Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resist. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Weight (lbs.)	Pricing		
																		1	10	50
237526CK	42BYGH001	3	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	\$19.79	\$16.82	\$12.62
237497CK	39BYG101-01	2	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	15.95	14.35	12.95
237420CK	35BYG002	3	Bipolar	3.2	1.8	4.8	800	3	15	50	1.02	0.10	0.20	0.83	1.38	1.02	0.30	12.15	11.05	10.05
237489CK	39BYG001	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	15.95	14.35	12.95
237737CK	42BY48H08	8	Bipolar	5	7.5	9.1	550	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	7.15	6.45	5.79
237577CK	57BYG061	4	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	26.95	24.25
237518CK	42BYG017	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	16.49	14.02	10.51
237454CK	39BYG201	2	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	13.95	11.86	10.48
395567CK	42BYG022-40	3	Bipolar	9.6	1.8	100	240	46	—	1100	1.70	0.90	0.20	0.26	1.67	1.29	0.43	16.95	16.10	15.30
237411CK	35BYG005	2	Bipolar	12	1.8	20	500	—	1.5	10	1.02	0.10	0.20	0.83	1.38	1.10	0.37	19.15	16.28	12.21
155459CK	42BYG023	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	17.95	16.29	14.59
237471CK	39BYG401A	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	19.49	17.55	15.79
237817CK	25BY2414	7	Bipolar	12	15	27	440	15.5	48	140	1.26	0.11	0.08	0.37	0.98	0.59	0.08	6.59	5.95	5.35
237462CK	39BYG401	2	Bipolar	14	1.8	31	400	32	200	2300	1.22	0.10	0.20	0.95	1.54	1.34	0.44	15.95	14.50	12.42
237446CK	35BYG008	2	Bipolar	24	1.8	1.3	1600	1	1	900	1.02	0.10	0.20	0.83	1.38	1.14	0.33	13.95	11.86	10.48
237569CK	57BYG009	4	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614CK	57BYGH801	6	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.19	31.69	28.49
237534CK	42BYGH102	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	15.29	11.45
237551CK	57BYG008	4	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	29.95	26.95	24.25
237593CK	85BYGH450	6	Unipolar	4.4	1.8	2.2	2000	—	—	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	161.95	145.75	131.19
237622CK	57BYGH802	6	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	33.95	30.55
237606CK	57BYGH001	6	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	32.49	29.25	26.35
237825CK	25BY4801	7	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	5.95	4.95	4.43
237673CK	35BY48B06	1	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.85	5.25
237770CK	20BY20H01	7	Unipolar	5	18	10	500	—	18	75	0.98	0.09	0.06	0.34	0.79	0.71	0.05	5.15	4.65	4.19
223870CK	57BYG070	4	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	44.96	39.80
237631CK	57BYGH803	6	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	58.15	52.35
172558CK	42BYG014	2	Unipolar	8.5	1.8	19	450	13	150	1300	1.22	0.50	0.20	0.87	1.67	1.34	0.50	11.49	10.09	9.17
237711CK	42BY48H06	8	Unipolar	9	7.5	20	450	18.5	130	800	1.95	0.14	0.12	0.39	1.65	0.87	0.30	6.55	5.95	5.45
237788CK	25BY2402	7	Unipolar	9	15	50	180	14	48	100	1.26	0.13	0.08	0.35	0.98	0.59	0.08	5.99	5.09	3.82
237649CK	25BY2403	7	Unipolar	9	15	20	450	4.5	48	130	1.38	0.14	0.08	0.33	0.98	0.56	0.07	3.55	3.19	2.95
172646CK	42BYG205	4	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	17.95	16.19	14.55
224021CK	42BYG016	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	15.25	13.75
155432CK	42BYG228	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	17.95	16.29	14.59
237542CK	57BYG007	4	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	25.95	22.06	17.08
238537CK	42BYGH404	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	19.95	17.95	16.15
162026CK	57BYG084	4	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	26.95	24.29	21.85
237972CK	28BYJ01A1	7	Unipolar	12	5.625	300	40	—	300	552	1.38	0.17	0.20	0.33	1.10	0.75	0.09	4.69	4.19	3.69
237981CK	28BYJ01C	7	Unipolar	12	5.625	300	40	—	350	552	1.38	0.14	0.12	0.20	1.10	0.78	0.10	3.99	3.77	3.55
237753CK	28BYJ012A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.08	3.99	3.59	3.23
237745CK	28BYJ01A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.10	3.99	3.59	3.23
237833CK	25BY4803	7	Unipolar	12	7.5	50	240	16	45	110	1.34	0.09	0.08	0.27	0.98	0.59	0.07	5.99	5.09	3.93
237681CK	35BY48B069	1	Unipolar	12	7.5	50	270	28	65	300	1.65	0.13	0.08	0.26	1.42	0.85	0.15	6.15	5.59	5.09
237892CK	42BY48B03	8	Unipolar	12	7.5	57	210	18	105	300	2.28	0.08	0.12	0.30	1.65	0.58	0.21	8.99	7.64	6.16
238158CK	35BY48BH10	1	Unipolar	12	7.5	42	286	25	90	400	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237930CK	42BY48B14	8	Unipolar	12	7.5	50	240	—	145	450	1.95	0.14	0.12	0.39	1.65	0.59	0.22	9.95	8.46	6.34
213321CK	35BY48-27	1	Unipolar	12	7.5	15	800	68	90	460	1.96	0.13	0.08	0.25	1.38	0.83	0.20	4.65	4.25	3.85
238131CK	35BY48BH05	1	Unipolar	12	7.5	15	800	10	90	460	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237884CK	42BY48B02	8	Unipolar	12	7.5	40	300	28	130	500	N/A	N/A	0.12	0.30	1.65	0.57	0.21	11.99	10.19	7.64
238043CK	30BYJ05-PH	7	Unipolar	12	7.5	300	40	—	350	552	1.42	0.17	0.20	0.30	1.18	0.69	0.10	4.29	4.06	3.84
237761CK	30BYJ011	7	Unipolar	12	7.5	300	40	—	350	644	1.38	0.18	0.12	0.20	1.18	0.69	0.10	4.19	3.99	3.85

* 395567CK/155459CK: Dual shaft Blue Part No. = Limited Quantity Available





















RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO **ReliaPro**

Bipolar and Unipolar Stepper Motors (Continued)

SALE

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Fig. (see pg. 149)	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Weight (lbs.)	Pricing		
																		1	10	50
238086CK	35BYJ03	7	Unipolar	12	7.5	400	40	—	450	828	1.65	0.16	0.20	0.33	1.42	0.67	0.12	\$4.35	\$3.95	\$3.59
238035CK	30BYJ03C 	7	Unipolar	12	7.5	160	75	—	350	920	1.54	0.17	0.12	0.44	1.42	0.69	0.11	4.29	4.06	3.84
238060CK	35BYJ02	7	Unipolar	12	7.5	200	60	—	400	1104	1.65	0.16	0.20	0.33	1.42	0.67	0.13	4.35	3.95	3.59
238078CK	35BYJ02A	7	Unipolar	12	7.5	200	60	—	400	1104	1.85	0.16	0.20	0.33	1.38	0.69	0.13	4.35	3.95	3.59
238051CK	35BYJ01 	7	Unipolar	12	7.5	130	92	—	350	1472	1.65	0.16	0.20	0.33	1.42	0.69	0.12	4.69	4.39	4.09
173180CK	30BYJ02AH 	7	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	11.49	9.77	7.32
237657CK	25BY2406	7	Unipolar	12	15	30	400	7.5	48	120	1.26	0.13	0.08	0.35	0.98	0.59	0.07	3.55	3.19	2.95
237956CK	42BY48H05 	8	Unipolar	14	7.5	70	200	—	130	450	1.93	0.14	0.12	0.39	1.65	0.87	0.27	7.59	6.45	6.20
237438CK	35BYG007	5	Unipolar	15	1.8	28	400	—	12	70	1.02	0.10	0.20	0.83	1.38	1.10	0.37	13.95	11.86	10.48
237702CK	35BY48BH02 	1	Unipolar	16.2	7.5	60	270	50	90	450	1.65	0.13	0.08	0.33	1.38	0.59	0.20	5.99	5.09	4.73
237665CK	25BY2407 	7	Unipolar	16.2	15	85	190	19	48	100	1.26	0.16	0.08	0.49	0.98	0.56	0.10	4.29	3.65	3.21
237796CK	25BY2408 	7	Unipolar	16.2	15	60	270	16	48	120	1.26	0.17	0.08	0.55	0.98	0.56	0.10	5.99	5.09	4.49
237841CK	25BY4806 	7	Unipolar	20	7.5	50	400	16	45	155	1.26	0.13	0.08	0.49	0.98	0.56	0.10	5.99	5.09	3.93
237850CK	25BY4807	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	5.99	5.09	3.93
237868CK	25BY4808 	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	5.99	5.09	3.93
237876CK	25BY4809	7	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	5.99	5.39	4.85
210391CK	STP42N196S	9	Unipolar	24	3.75	110	436	60	60	600	1.95	0.13	0.118	0.42	1.65	0.54	0.18	1.55	1.39	1.29
238115CK	35BY48B08 	1	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	6.19	5.68	5.17
238107CK	35BY48B07	1	Unipolar	24	7.5	11	240	70	65	330	1.65	0.13	0.08	0.26	1.38	0.59	0.15	6.19	5.68	5.17
238140CK	35BY48BH07 	1	Unipolar	24	7.5	110	240	70	90	350	1.65	0.13	0.08	0.26	1.38	0.85	0.20	6.19	5.26	4.73
237690CK	35BY48BH01 	1	Unipolar	24	7.5	165	145	85	90	400	1.65	0.13	0.08	0.33	1.38	0.59	0.19	5.99	5.09	4.73
237921CK	42BY48B08 	8	Unipolar	24	7.5	75	320	33	145	600	1.95	0.14	0.12	0.39	1.65	0.59	0.20	7.59	6.45	6.20
237905CK	42BY48B04 	8	Unipolar	24	7.5	110	220	53	145	630	1.95	0.14	0.12	0.45	1.65	0.59	0.20	7.59	6.45	5.84
237913CK	42BY48B04M 	8	Unipolar	24	7.5	120	200	57	145	630	1.95	0.09	0.12	0.45	1.65	0.59	0.22	7.59	6.45	6.20
237948CK	42BY48H02 	8	Unipolar	24	7.5	48	500	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.30	7.59	6.45	6.20
237729CK	42BY48H07 	8	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.89	6.71	6.20
237809CK	25BY2409 	7	Unipolar	24	15	118	200	22	48	100	1.37	0.13	0.08	0.37	0.98	0.59	0.10	6.49	5.52	4.14
238123CK	35BY48BH03 	1	Unipolar	28.8	7.5	115	278	85	90	450	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237585CK	110BYG450C 	4	Unipolar	180-200	0.9/1.8	0.18	6000	2	3060	45,900	5.0	0.33	0.63	2.13	4.33	5.10	8.40	179.95	152.96	114.72

* 173180CK: Gear ratio 85.25:1

Other Manufacturers — Great Deals



Part No.	Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Pricing		
																1	10	50
117954CK	LB82773-M1	Bipolar	5	7.5	6	800	7	100	1080	2.60	1.95	0.250	0.75	2.25	1.00	\$4.29	\$3.89	\$3.09
163395CK	5017-935 ¹	Bipolar	8.4	0.9	30	280	25	36	791	1.73	0.15	0.155	0.29	1.64	1.20	4.95	4.21	3.16
105881CK	SM4203 ²	Bipolar	12	3.6	25	480	31	80	600	1.73	0.11	0.197	0.43	1.66	1.31	6.49	5.85	5.29
171601CK	PF35T48L4 ³	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	4.99	4.49	4.03
238019CK	30BYJ01C1	Unipolar	12	7.5	300	40	—	350	644	1.54	0.17	0.12	0.20	1.18	0.68	4.29	4.06	3.84

¹ 163395CK: Dual shaft ² 105881CK: P/N 25216CK (IC, MC3479P, pg 33) bi-phase stepper motor driver can be used to operate: Use P/N 161998CK for shaft coupler, see pg 302

³ 171601CK: Dual shaft w/ 10 tooth gear

Servo Motors

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001CK, pg 154





Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Supply voltage: 4.8-6 volts
- Speed: 19 seconds to 60°
- Torque: 161 oz.-in. (11,500 g-cm) @ 4.8V
- Can be operated by P/N 151001CK, pg 154



Part No.	Description	Size	1	10	Part No.	Description	Power Supply	1	10
157067CK	Robotic servo	0.8"W x 1.4"D x 1.6"H	\$19.95	\$17.95	166351CK	Giant robotic servo	4.8-6 volts	\$49.95	\$44.95

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Our great selection of Servo Motors can be found at www.Jameco.com/Prod/Servos

Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115553CK, pg 109) or modular adapter from DB9 to RJ11 (P/N 114737CK, pg 109)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty



Part No.	Description	1	10
151001CK	Mini SSC II	\$43.95	\$41.79

32-Bit Stepper Motor Controller

One Axis

- Controls one bipolar stepper motor with 32-bit absolute position
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Full, half or wave step modes
- Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Size: 4.4"L x 2.3"H
- Weight: 0.7 lbs.



DPONTECH

Includes: Manual and sample code software

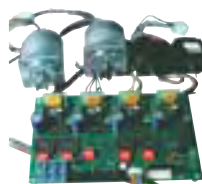
Part No.	Description	1	10
153621CK	32-bit controller	\$158.95	\$150.99

See our extensive motor selection on pages 152-153 & 155-158.



Multi-Stepper Motor Control Board

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec. • Size: 7.7"L x 5.0"W x 1.0"H
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control • Weight: 0.7 lbs.
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles

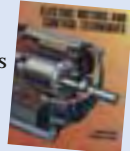


Shown w/ motors
— not included

Part No.	Description	1	10
168727CK	Stepper motor control brd	\$399.95	\$379.95

Electric Motors & Control Techniques

TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)



- Size: 7.3" x 9.2" • Weight: 1.1 lbs.

Part No.	Description	Price
137162CK	Electric Motors & Control	\$24.95

Sport232-ST One Axis Stepper Motor Controller and DAC Board

- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic)
- 8 Digital I/O and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

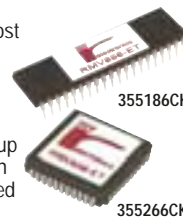


Part No.	Description	1	10
355047CK	Sport232-ST	\$147.25	\$137.75



RMV856-ET Stepped Motor Controller

- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter



Part No.	Package	1	10	50
355186CK	DIP-40	\$48.45	\$44.05	\$40.00
355266CK	PLCC-44	48.45	44.05	40.00

KAE

Industrial Motion Controllers for Brush, Brushless and Stepper Motors

All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P/N 184971CK (below).



184989CK



323942CK



185009CK



323951CK



184971CK



184997CK

184989CK/323942CK: PIC-SERVO motor control board

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- P/N 323942CK RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009CK/323951CK: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989CK above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951CK Amplifier capable of driving 6A continuously @ up to 48VDC

184971CK: Z232-485 serial port adapter

- Lets you operate the controllers above from any standard RS-232 port

184997CK: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

Part No.	Description	Size (L" x W" x H")	1	10
184989CK	PIC-SERVO	3.1 x 2.1 x 0.9	\$184.69	\$166.25
323942CK	KAE-TOVIO	3.1 x 2.1 x 0.9	159.95	143.95
185009CK	KAE-TOV5-BD3-PHV1	3.1 x 3.1 x 1.0	271.79	244.69
323951CK	KAE-TOVIO	3.1 x 3.1 x 0.9	227.85	205.95
184971CK	Z232-485	3.1 x 2.1 x 0.5	59.95	53.95
184997CK	PIC-STEP	3.1 x 2.1 x 0.9	159.95	143.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

We're Listening to
Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

1.5-112VDC Motors

Jameco has a broad selection of DC Motors available for immediate delivery! In fact, we're the only place in the country where you can buy so many types off-the-shelf. And because of our broad selection, major custom-design motor manufacturers send their customers to us! Be sure to check out all the products below.

Typical applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products
 • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers
 • Tire pumps • Paper shredders • Cordless power tools • Christmas tree



NICHIBO

Quantity SAVE

SALE

Part Number	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
231917CK	FE-260-2670	5	1.5	1.5-3	0.66	3700	10.5	42.9	Solder	0.078	0.314	0.937 x 1.063	\$1.19	\$1.01	\$0.76
231861CK	UE-260-2850	6	1.5	1.5-3	1.15	4260	13.4	34.9	Solder	0.078	0.314	0.944 x 1.063	.89	.79	.75
231853CK	UE-260-2838	6	1.5	1.5-2.4	1.57	5600	15.5	39.0	Solder	0.078	0.314	0.944 x 1.063	.95	.89	.79
232135CK	FF-050S-13130	3	2	2-4	0.11	3000	3	42.0	Solder	0.059	0.433	0.610 x 1.059	2.25	2.05	1.85
231909CK	FE-260-18130	5	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
231888CK	UE-260-20120	6	3	1.5-4.5	0.45	4780	12.9	49.8	Solder	0.078	0.314	0.944 x 1.063	.95	.89	.79
231790CK	PC-130F-18120	7	3	3-4.5	0.51	6260	8.1	35.6	Solder	0.078	0.377	0.803 x 0.984	1.65	1.49	1.35
231870CK	UE-260-2290	6	3	1.5-4.5	0.62	6400	12.9	47.1	Solder	0.078	0.314	0.944 x 1.063	.95	.89	.79
231925CK	FE-260-2295	5	3	1.5-4.5	0.63	6850	14	53.9	Solder	0.078	0.314	0.937 x 1.063	1.19	1.07	.95
232071CK	FC-280-2485	1	4.5	4.5-7.2	0.88	7820	26	52.7	Solder	0.078	0.472	0.944 x 1.200	2.09	1.88	1.33
232080CK	FC-280-2865	1	4.5	4.5-6	1.38	9970	30.4	50.1	Solder	0.078	0.472	0.944 x 1.200	1.59	1.45	1.29
231765CK	PC-130SF-15160	7	4.8	3-9	0.42	4960	16.6	42.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231984CK	UC-260-14275	6	6	6-12	0.21	4150	13.1	45.8	Solder	0.078	0.314	0.944 x 1.063	1.15	1.05	.95
231829CK	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	Solder	0.078	0.433	0.944 x 1.200	1.89	1.75	1.59
231781CK	PC-130F-12240	7	6	3-9	0.25	6800	7	33.4	Solder	0.078	0.377	0.803 x 0.984	2.49	2.24	2.02
231992CK	UC-260-18160	6	6	3-9	0.57	7460	22.1	49.9	Solder	0.078	0.314	0.944 x 1.063	1.79	1.61	1.45
231811CK	PC-280-20125	8	6	3-9	0.57	7560	21.1	48.6	Solder	0.078	0.433	0.944 x 1.200	1.89	1.75	1.59
232063CK	FC-280-20120	1	6	4.5-9	0.60	7800	24.1	53.5	Solder	0.078	0.472	0.944 x 1.200	1.35	1.25	1.15
232143CK	FF-050S-11170	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
232151CK	FF-050S-09250	3	8	5-11.5	0.11	6300	7	51.4	Solder	0.059	0.433	0.610 x 1.059	1.95	1.75	1.59
231802CK	PC-130F-10370	7	9	6-12	0.15	6410	8.5	43.9	Solder	0.078	0.377	0.803 x 0.984	2.49	1.89	1.69
231933CK	UC-280S-10450	9	12	12-24	0.11	2850	21.3	46.5	Solder	0.078	0.433	0.944 x 1.200	1.95	1.79	1.59
232012CK	MD5-12160	10	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231968CK	UC-260-09530	6	12	12-24	0.12	4030	12.5	36.7	Solder	0.078	0.314	0.944 x 1.063	1.15	1.05	.95
231845CK	PC-280-10420	8	12	6-24	0.13	4270	14.5	43.6	Solder	0.078	0.433	0.944 x 1.200	1.89	1.75	1.59
231731CK	PC-130SF-09480	7	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.89	1.69
231749CK	PC-130SF-09400	7	12	6-24	0.15	5130	14.3	42.5	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231896CK	FE-260-08450	5	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
231773CK	PC-130F-09490	7	12	6-18	0.51	6260	8.1	39.1	Solder	0.078	0.377	0.803 x 0.984	1.65	1.49	1.35
232160CK	FF-050S-08220	3	12	9-18	0.09	6270	5	31.5	Solder	0.059	0.433	0.610 x 1.059	1.95	1.75	1.59
231757CK	PC-130SF-10315	7	12	6-18	0.25	6350	20	44.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
232055CK	FC-280-12280	1	12	6-12	0.26	6840	21.4	48.6	Solder	0.078	0.472	0.944 x 1.200	1.35	1.25	1.15
231976CK	UC-260-12335	6	12	6-12	0.24	7050	19.5	50.0	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231837CK	PC-280-15265	8	12	6-12	0.30	7230	25	52.5	Solder	0.078	0.433	0.944 x 1.200	1.89	1.75	1.59
232004CK	UC-280S-19160	9	12	6-12	0.57	9000	46.6	63.4	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232021CK	MD5-1885	10	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231950CK	UC-280S-20145	9	12	6-12	0.75	10000	55	64.0	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232039CK	MD5-2070	10	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232127CK	MD5-2554AS-AA	2	12	6-12	1.70	17000	72.9	62.4	Quick Connect	0.091	0.512	1.083 x 1.279	2.55	2.35	2.09
232119CK	MD5-2450AS-AA	2	12	6-12	2.00	17200	77.5	55.9	Quick Connect	0.091	0.512	1.083 x 1.279	2.55	2.35	2.15
232047CK	MD5-2445	10	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231941CK	UC-280S-12285	9	24	12-24	0.39	10300	54.4	62.4	Solder	0.078	0.433	0.944 x 1.200	2.99	2.69	2.42
232098CK	MD5-15120AS-AA	2	24	12-24	0.70	15100	66.7	61.5	Quick Connect	0.091	0.512	1.083 x 1.279	2.55	2.35	2.15
232101CK	MD5-1980AS-AA	2	24	12-24	1.43	22600	88.5	60.9	Solder	0.091	0.512	1.083 x 1.279	4.29	3.86	3.49

JAMECO ReliaPro (Mabuchi-Type)		EXCLUSIVE													
238465CK	RF-310TA-11400 (CCW) ⊕	11	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.247	0.962 x 0.712	\$2.49	\$2.12	\$1.59
238457CK	RF-300PA-11400 (CW) ⊕	12	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.415	0.960 x 0.504	4.35	3.89	3.49
238511CK	RF-500TB-12560	13	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238431CK	EG-530AD-6B (CCW) ⊕	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238422CK	EG-530AD-6F (CW) ⊕	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238449CK	EG-530AD-9B (CCW) ⊕	14	9	6-11	0.09	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238490CK	EG-530YD-9B (CCW) ⊕	14	9	6.3-11.7	.13/.14	2000/4000	10	—	Solder	0.078	0.307	1.377 x 0.984	6.85	5.82	4.37
238502CK	EG-530KD-2B (CCW) ⊕	14	12	8.4-15.6	0.08	1600	10	—	Solder	0.078	0.307	1.377 x 0.984	5.39	4.58	3.44
238473CK	RF-370CA-15370 ⊕	15	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238414CK	EG-530AD-2B (CCW) ⊕	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	4.49	3.82	2.86
238406CK	EG-530AD-2F (CW) ⊕	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	5.39	4.58	3.44
238481CK	EG-530YD-2B (CCW) ⊕	14	12	8.4-15	.13/.14	2000/4000	10	—	Solder	0.078	0.322	1.303 x 0.997	5.29	4.79	4.29

JAMECO ReliaPro (Hi-Torque)				EXCLUSIVE											
237391CK	29SYT003	4	13.5	13.5	13	18000	509	—	Quick Connect	0.125	1.003	1.141 x 2.283	\$5.95	\$5.35	\$4.85
237382CK	29SYT002	4	24	24	0.93	2680	178	—	Wire	0.100	0.334	0.787 x 1.89	7.19	6.47	5.82
237403CK	40SYT002	16	26	26	1.5	3000	815	—	Quick Connect	0.196	1.021	1.57 x 3.85	25.95	23.35	20.99
237374CK	29SYT001	4	112	112	0.93	2680	178	—	Wire	0.100	0.334	1.15 x 1.89	4.65	4.25	3.85

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



DC and DC Reversible Gear Head Motors



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave



Quantity SAVE

1.2VDC-24VDC Motors

star motor



Part No.	Product No.	Manufacturer	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
311976CK	20519-34442	Johnson Electric	1.2	—	1.510	3754	25.98	55	0.08"/solder	0.08	0.33	1.00 x 1.20	\$1.49	\$1.27	\$0.95
295849CK	RF-310T-11400	Mabuchi Motor	2.5	1-6	0.060	2190	3.3	—	0.06"/solder	0.08	0.89	0.96 x 0.71	1.79	1.61	1.42
154915CK	ST-130-12240	Star Motor	3	1.5-3	0.170	3588	7.4	55	0.09"/solder	0.08	0.37	0.79 x 1.13	1.09	.93	.69
154923CK	ST-130-22770	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	.99	.89	.79
211246CK	RC-260RA-2670	Mabuchi Motor	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	.79	.67	.50
388851CK	RF-500TB-14415	Mabuchi Motor	5	1.5-9	0.120	2540	12.6	—	0.07"/solder	0.07	0.34	1.26 x 0.97	3.99	3.59	2.69
177498CK	RC280RA-2485	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.75	1.55	1.39
667411CK	RF270RH-12370	Mabuchi Motor	12	6-15	0.140	5130	19.2	—	.08"/quick conn.	0.08	0.59	0.96 x 1.21	2.95	2.65	1.99
174692CK	21226-384221	Johnson Electric	12	9-14	0.015	3000	—	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.15	1.59
206949CK	QJT360S14280	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	1.69	1.52	1.36
153656CK	RS550PF	Mabuchi Motor	12	6-15	1.400	6500	44.1	—	0.15"/solder	0.13	0.66	1.45 x 2.25	3.29	2.99	2.69
267291CK	SUN-555A-LMRK	Telco	24	—	0.150	4100	84	—	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.99	2.54	1.91

1 154915CK/154923CK: Use bushing P/N 162392CK, pg 302

2 Manufacturer may vary



6VDC and 12VDC Reversible Gear Head Motors

SALE

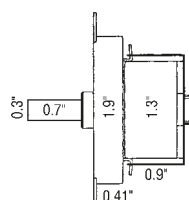
- Solder-type terminal
- High torque construction
- Oil bearing design for long service life
- Insulation resistance: 10MΩ
- Dielectric strength: 300VDC



167038CK

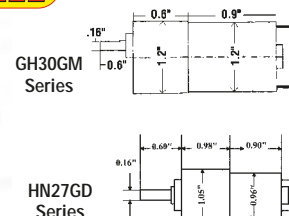


253227CK



159417CK

32GM Series



GH30GM Series

HN27GD Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253403CK	32-009	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	\$17.95	\$16.15	\$14.55
253391CK	32-008	6	60	3	2000	400:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	14.95	13.49	12.15
253382CK	32-007	6	57	3.2	1800	377:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	14.95	13.49	12.15
253374CK	32-006	6	51	4	1680	300:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253340CK	32-005	6	48	5	1600	240:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253323CK	32-004	6	44	6	1500	200:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253315CK	32-003	6	40	6.3	1350	190:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	14.95	13.49	12.15
253307CK	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253227CK	32-001	6	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55

Blue Part No. = Limited Quantity Available

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
167038CK	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$16.49	\$14.85	\$13.39
167046CK	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	21.95	19.79	17.79

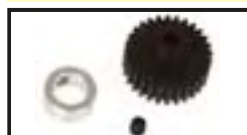
GH30GM Series

170641CK	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$23.95	\$20.36	\$15.27
153437CK	GH12-1045Y	12	3.0 - 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159417CK	GH12-1921Y	12	4.5 - 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	21.95	19.79	17.79
162190CK	GH12-1324Y225	12	4.5 - 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	16.95	15.25	13.75

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



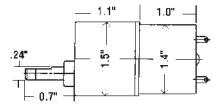
For more Gears, SS-Shafts, Couplings, etc.
go to www.Jameco.com/Prod/Gears



12VDC and 24VDC Reversible Gear Head Motors

GH35GM Series

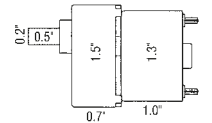
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
155011CK	GH12-1926	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155820CK	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	21.95	19.79	17.79
155838CK	GH12-1641T-L	12	3.0 - 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	23.95	21.59	19.45
152910CK	GH12-1926Y	12	4.5 - 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	21.95	19.75	17.75
151440CK	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854CK	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
155862CK	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	22.95	20.79	18.79
161373CK	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161381CK	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.29	18.25
164785CK	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	21.59	19.45
176049CK	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176031CK	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.25	18.39
176022CK	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79



GH35GM Series



155011CK



38GM Series



253446CK

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253534CK	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$18.95	\$17.09	\$15.35
253526CK	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253518CK	38-008	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253500CK	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253497CK	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253489CK	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253471CK	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253462CK	38-003	12	68	180	800	33:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	15.95	14.39	12.95
253454CK	38-002	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253446CK	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35

Blue Part No. = Limited Quantity Available

1.3VDC and 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys

SALE

Quantity SAVE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

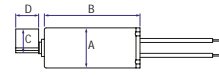


Fig. 3

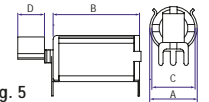




Fig. 5

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia. x Depth	Shaft Size (C x D) Dia. x Length	Pricing		
									1	10	100
175062CK	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$5.49	\$4.94	\$4.45
256356CK	72K642	3	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256372CK	72K631	3	1.3 @ 70	0.80 - 1.60	7500 @ 1.3	1.1	0.28 x 0.66	0.12 x 0.16	3.65	3.19	2.75
175396CK	OTL-4AL	2*	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.8	0.16 x 0.55	0.15 x 0.23	6.49	5.85	5.19
256305CK	62K003	3	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256321CK	62K211	5	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC Term	0.27 x 0.48	0.11 x 0.11	3.29	2.80	2.10
256049CK	42K041	3	1.3 @ 85	0.85 - 1.60	11000 @ 1.3	1.0	0.16 x 0.43	0.07 x 0.17	5.49	4.95	4.45
256241CK	52K011	3	1.3 @ 85	0.80 - 1.60	11000 @ 1.3	1.0	0.20 x 0.39	0.10 x 0.12	4.29	3.79	3.29
256364CK	72K692	3	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256381CK	72K681	3	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256313CK	62K053	3	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256330CK	62K261	5	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC Term	0.27 x 0.48	0.11 x 0.11	2.35	2.15	1.95
256090CK	42K091	3	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85
Other Manufacturers											
190078CK	6CD-1201WL-00	4*	1.3 @ 80	—	7500 @ 1.3	1.1	0.24 x 0.47	0.10 x 0.22	\$6.55	\$5.57	\$4.18

* More details on page 158

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!



1.3VDC 8,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers, and toys
- Rated RPM: 8,500 @ 1.3VDC
- Direction of rotation: clockwise
- Operating voltage: 1.3V @ 65mA (typical)
- Lead length: 0.75"
- Size: (motor) 0.16"Dia. x 0.55"L (shaft) 0.15"Dia. x 0.23"L

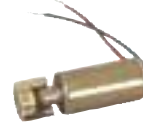


Part No.	Description	1	10	100
175396CK	Vibrating motor	\$6.49	\$5.85	\$5.19



1.3VDC 7,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers and toys
- Rated RPM: 7,500 @ 1.3VDC
- Clock-wise rotation
- 1.1" lead wires
- Operating voltage: 1.3VDC @ 80mA
- Size: (motor) 0.47"L x 0.24"Dia. (shaft) 0.22"L x 0.10"Dia.



Quantity SAVE

Part No.	Description	1	10	100
190078CK	Vibrating motor	\$6.55	\$5.57	\$4.18

120VAC Gear Motor

6.0 RPM - 2.9 Watt

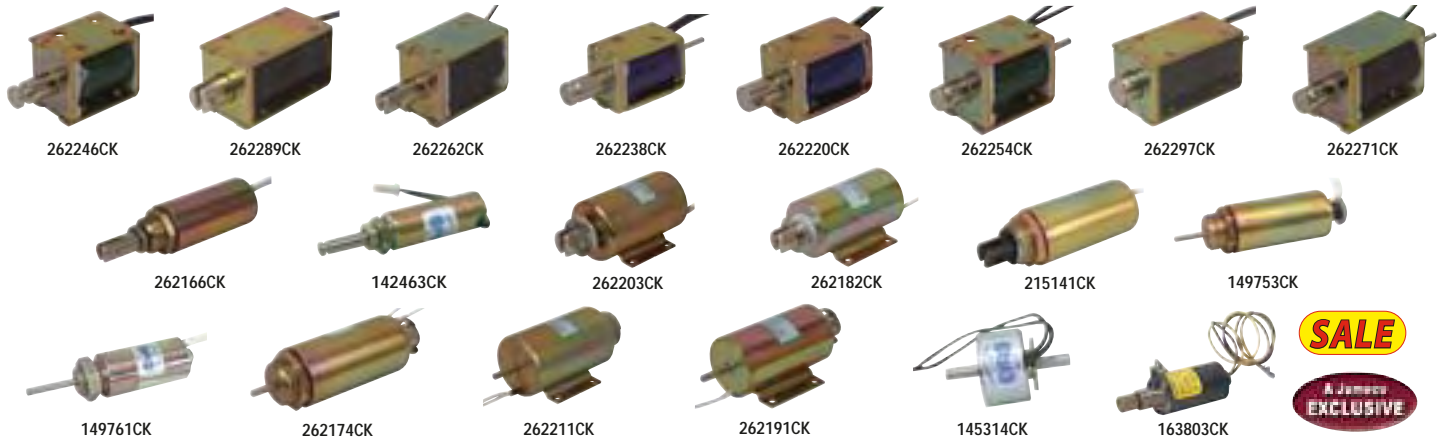
- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Shaft diameter: 0.27" • Shaft length: 0.65"
- Overall size: 2.0" Dia. x 1.0" thick
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor



Part No.	Cross Ref. No.	1	10	100
213487CK	50TYZ	\$14.95	\$13.46	\$12.11



12VDC and 24VDC Continuous Push, Pull and Push/Pull Solenoids



SALE

A Jameco EXCLUSIVE

Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke	Size L x Dia. (in.)	Shaft Dia. (in.)	Wt. (lbs.)	Pricing		
											1	10	100
262246CK	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	\$5.69	\$5.15	\$4.69
262289CK	SMO-1253L12AA	Open frame-pull	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.470	0.50	11.89	10.69	9.65
262262CK	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	7.29	6.56	5.90
262238CK	SMO-0415S12AA	Open frame-push	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.040	0.01	6.55	5.89	5.35
262220CK	SMO-0415L12AA	Open frame-pull	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.160	0.01	4.29	3.89	3.49
262254CK	SMO-0520S12STD	Open frame-push	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.06/0.20*	0.04	6.99	6.29	5.69
262297CK	SMO-1253S12AA	Open frame-push	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.10/0.47*	0.50	9.95	8.99	8.09
262271CK	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.39	7.59	6.85
262166CK	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	9.95	8.95	8.15
142463CK	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	7.45	6.69	6.05
262203CK	SMT-3864L24STD	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	26.95	24.29
262182CK	SMT-3257L24STD	Tubular-pull	24	44	13.0	3.30	0.70	2.3 x 1.3	0.500	0.65	19.59	17.69	15.89
215141CK	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	10.95	9.86	8.87
149753CK	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	9.95	8.96	7.92
149761CK	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	10.95	9.86	8.87
262174CK	SMT-2551S24STD	Tubular-push	24	58	10.0	1.32	0.70	2.0 x 1.0	0.120	0.40	15.95	14.39	12.99
262211CK	SMT-3864S24STD	Tubular-push	24	34	17.0	1.32	1.18	2.5 x 1.5	0.160	1.10	31.39	28.19	25.39
262191CK	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	19.95	17.95	16.19
145314CK	SMT1913S12A	Tubular-push/pull	12	89	2.0	1.12	0.16	1.2 x 0.7	0.110	0.05	9.95	8.96	8.06

Other Manufacturers — Great Deals

163803CK	A420-067074-01	Tubular-push	12	43	3.4	0.75	0.17	2.0 x 0.6	0.156	0.10	\$9.95	\$8.46	\$6.34
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*Open frame type dimensions: L" x W" x H"; *Dual shaft

12VDC Solenoid Valve

- Operating voltage: 12VDC
- Current: 350mA
- Operational temperature: -29°C to 85°C
- Air leakage: 1c.c./min. max. 4psi
- 0.250" quick disconnect terminals



Part No.	Description	Size	1	10	100
169834CK	Solenoid valve	1.2"L x 0.92" Dia.	\$7.35	\$6.59	\$5.89

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Motor Kits
See page 307
for our selection.





Miniature Basic Switches

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

OMRON



159572CK



159581CK/187792CK



187805CK

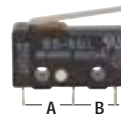
Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Resistance (Initial)	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
159572CK	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	\$2.89	\$2.54	\$2.28
159581CK	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	2.45	2.25	1.99
187792CK	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.45	2.25	1.99
187805CK	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.75	2.48	2.29



Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B = 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H

OMRON



187709CK



187733CK



159599CK

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Contact Force	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	25	50
187709CK	SS-5GL	Omron	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	\$1.59	\$1.45	\$1.29
187733CK	SS-5GL2	Omron	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	1.25	1.15	1.09
159599CK	SS0505A	Highly Electric	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	45g	30M/200k	Solder	1.19	.99	.89

SALE

OMRON

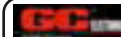
D2F Series Subminiature Snap-Action Switches

Super compact for PCB mounting. Ideal for a wide variety of applications from household appliances and office equipment to audio and communications equipment.

- Dimensions: 0.50"L x 0.23"W x 0.26"H
- Long life span assured by high-precision dual spring reverse-action mechanism
- Contact form: SPST
- Contact rating: 3A @ 125VAC; 2A @ 30VDC
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom



Part No.	Product No.	Actuator Type	Contact Type	Contact Force	1	25	50
188867CK	D2F-L	Hinge lever	General purpose	Standard (80g)	\$.89	\$.83	\$.79



Snap Action Switches

Sub-miniature

- 5A @ 250VAC • Terminal: solder

Miniature

- 10A, 15A or 20A @ 125/250VAC
- Terminal type: screw or quick connect

General Purpose • 15A or 20A @ 125/250VAC

- Terminal type: solder, screw or quick connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Snap Action Switch Offering at www.Jameco.com/Prod/GCSnap

Electromech



Subminiature Snap-Action Switches



DH3 Series



DG Series



DB Series



DA Series



DC Series



E7 Series

DH3/DH4 Series

- Electrical rating: DH3: 50 to 300mA @ 30VDC; DH4: 5 to 50mA @ 30VDC
- Ultraminiature dimensions • Specially designed for low switching currents/voltages
- Temp. rating: -25°C to +70°C • UL94V-0 flammability rating

DG1/DG2 Series

- UL1054 rating: DG1: 3A, 125VAC; 2A, 30VDC; DG2: 0.05A, 30VDC
- Depending on model, contact rating is suitable for low switched currents and voltages for light-current applications with loads of up to 3 amps 125VAC
- Temp. rating: -25°C to +85°C • UL94V-0 flammability rating
- Electrical life @ rated load: 6000 cycles min. • Small dimensions

DB1/DB2/DB3 Series

- UL1054 rating: DB1: 5A, 125/250VAC; DB2: 10.1A, 125/250VAC; DB3: 0.1A, 125/250VAC
- High-precision switch with high repeat accuracy
- Temp rating: -40°C to +85°C • UL94V-0/ UL or 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

DA3 Series

- UL1054 rating: 0.1A, 125VAC • UL94V-0 flammability rating
- Temp. rating: -40°C to +85°C • Electrical life @ rated load: 100,000 cycles min.

E61/E62/E63 Series

- UL1054 rating: E61: 5A, 125/250VAC; E62: 10.1A, 125/250VAC; E63: 0.1A, 125VAC
- Temp rating: -40°C to +85°C • UL94HB flammability rating
- Electrical life @ rated load: 6000 cycles min. • Long life coil spring mechanism

DC1/DC2/DC3 Series Sealed

- UL1054 rating: DC1: 5A, 125/250VAC; DC2: 10.1A, 125/250VAC; DC3: 0.1A, 125/250VAC
- Temp. rating: -40°C to +85°C • UL94V-0 or UL 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

E72/E73 Series Sealed

- UL1054 rating: E72: 10.1A, 125/250VAC; E73: 0.1A, 125VAC
- Moisture resistant • Long life coil spring mechanism
- Temp. rating: -40°C to +85°C • UL94V-0 flammability rating
- Electrical life @ rated load: 6000 cycles min.

See Our Complete Cherry Subminiature Snap Action Offering at www.Jameco.com/Prod/CherrySubSnap

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Miniature Snap-Action Switches



D4 Series



DN Series



E2 Series

D41/D42/D43/D44/D45/D48 Series

- UL1054 rating: D41: 0.1A, 125/250VAC; D42: 3A, 125/250VAC; D43: 5A, 125/250VAC; D44: 10A, 125/250VAC; D45: 15A, 125/250VAC; D48: 21A, 125/250VAC
- Long-life coil spring mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6000 cycles min.
- UL94V-0 flammability rating

DN3 Series

- UL1054 rating: 0.1A, 125VAC
- Temp. rating: -40°C to +85°C
- Electrical rating @ rated load: 6000 cycles min.
- Plug-in connector
- UL94V-0 flammability rating

E21/E22/E23/E31/E33/E34/E36 Series

- UL1054 rating: E21: 0.1A, 125VAC; E22: 3A, 125/250VAC; E23: 5A, 125/250VAC; E31: 1A, 125VAC; E33: 10A, 125/250VAC; E34: 15A, 125/250VAC; E36: 25A, 125/250VAC
- Long-life coil spring mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6000 cycles min.
- UL94HB flammability rating

E51/E53 Series

- UL1054 rating: E51: 6A, 250VAC; E53: 0.1A, 125VAC
- Long life coil spring mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6000 cycles min.
- Low torque rotary actuation
- UL94HB flammability rating

K Series

- UL1054 rating: KWA/KWB: 50mA, 28VDC; KWE/KWF: 3A, 125/250VAC; KWG/KWH: 5A, 125/250VAC; KWJ/KWK: 10A, 125/250VAC; KWM: 15.1A, 125/250VAC; KWS: 25A, 125/250VAC
- Long mechanical life
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 100,000 cycles min.
- Wiping contact action
- UL94V-0 flammability rating

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Snap Action Offering at
www.Jameco.com/Prod/CherryMiniSnap



General Purpose Snap-Action Switches

GP Series Heavy Duty

- Electrical rating: 15A, 250VAC (UL); 15A, 250V (VDE)
- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Temp. rating: -20°C to +85°C

E13/E14/E19/E19A/E20/E30/G13 Series

- UL1054 rating: E13/E19: 15A, 125/250VAC; E19A: 15A, 125/250VAC; 0.1A, 125VAC; E14: 25A, 125/250VAC; E20: 20A, 125/250VAC; E30: 30.1A, 125/250VAC; G13: 0.1A, 125VAC

- Long-life coil spring mechanism
- Temp. rating: 105°C
- UL 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Snap Action Offering at
www.Jameco.com/Prod/CherrySnap



GP Series



E Series



Snap-Action Switches



A Series



LC Series



TF Series

A Series General Purpose

- Low cost—high performance
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Contact rating: 30.1A @ 277VAC
- Operating temp.: -55°C to +85°C

LC Series Subminiature Precision

- Long life and high electrical capacity
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Contact rating: 10.1A @ 250VAC
- Operating temp.: -25°C to +85°C

MM Series Miniature Subminiature Precision

- Low level and power switching
- Increased overtravel
- Contact rating: 7A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -55°C to +135°C
- Long electrical & mechanical life
- Reliable snap-acting mechanism
- Insulation resistance: 1000MΩ min.

TM Series Miniature

- Cost-effective solution
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Contact rating: 15A @ 250VAC
- Operating temp.: -55°C to +150°C

TF Series Miniature

- Broad range of operating forces
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1500V_{RMS} @ sea level
- Contact rating: 25A @ 277VAC
- Operating temp.: -40°C to +85°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Snap-Action Switch Offering at
www.Jameco.com/Prod/CKSnap



Thumbwheel Switches

3 Series Standard

- Spacers available to fit most panel cutouts
- Contact rating: carry: 1A continuous, switch: 100mA max.
- Insulation resistance: 1000MΩ min.
- Operating voltage: 50mV to 28VDC/120VAC
- Operating temp.: -10°C to +65°C



3 Series



3P Series

3P & 3U Series Tiny

- Snap-in front mount design for easy assembly
- Contact rating: carry: 1A continuous, switch: 0.4VA max, 100mA max., 28VDC
- Insulation resistance: 1000MΩ min.
- Operating voltage: 50mV to 28VDC/120VAC
- Operating temp.: -10°C to +65°C



3U Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Thumbwheel Switch Offering at
www.Jameco.com/Prod/CKThumbwheel

Alcoswitch

Pushwheel Switches

- Contact rating: 0.4VA @ 20VDC
- Operating temp: -20°C to +80°C
- Mechanical life: more than 1,000,000 operations
- Front mount

SMCD Series Mini Bidirectional

- Large visible readout characters
- Protected by dust-sealed windows
- Snap together grouping and snap-in panel mounting minimize installation time and cost



DPS9 Series Bidirectional

- Dual pushbutton code switches have identical height but differ in width
- Can directly retrofit common thumbwheel switches

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Alcoswitch Pushwheel Offering at
www.Jameco.com/Prod/AlcoPushwheel



Pushbutton Binary Coded Decimal (BCD) Switch

26788CK (2 switches shown)

Thumbwheel Binary Coded Decimal (BCD) Switch

(2 switches shown) 26817CK

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC
- Break before make
- Operating temperature: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting with end plates
- Switches snap together

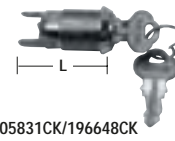


Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing			
					1	10	50	100
26788CK	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$5.69	\$5.15	\$4.65	\$4.15
26761CK	MXEP2	Mounting end plates for 26788	1.2 x 0.2 x 1.1	—	1.15	.99	.89	.79
26817CK	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.49	3.95	3.55	3.19
26770CK	MXEP3	Mounting end plates for 26817	1.2 x 0.2 x 1.3	—	1.05	.88	.84	.77



SPST Round Keylock Switches

- Used in computer & other security systems
 - Key removable from 2 positions
 - Two keys
 - Mounting hole = 0.75" except P/N 106649CK = 0.5"
- 196648CK: all keys are alike
 Includes: Mounting nut



Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	Pricing			
						1	10	50	100
106649CK	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$3.59	\$3.29	\$2.89	\$2.49
105831CK	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	3.99	3.59	3.29	2.99
196648CK	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.49	3.99	3.65	3.29



Keylock Switches

A Series 4 & 5 Tumbler 1-4 Poles

- Low level and power capability
- Contact rating: 2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- PCB mounting
- Multi-pole and multi-position
- Operating temp.: -30°C to +85°C

BY Series 4 Tumbler Value Added Security

- Anti-static switch
- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Removable lock core
- Snap-together assembly

H Series 4 & 6 Tumbler Power

- Positive detent
- Snap-together assembly
- Contact rating: 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Multi-pole and multi-position
- Power switching
- Operating temp.: -30°C to +85°C

P Series 4 Tumbler Snap-in

- Positive detent
- Contact rating: 4A @ 125VAC; 1A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Multi-pole and multi-position
- Snap-in mounting

W Series 4 & 6 Tumbler

- International listings
- Contact rating: 4A @ 125VAC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Quick connect termination

Y Series 4, 5 & 6 Tumbler

- Anti-static switch – exceeds 20 kV DC static resistance
- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Keylock Switch Offering at www.Jameco.com/Prod/CKKeylock

A Series



BY Series



P Series



Y Series



Mini Pushbutton BCD Switch

- Operating temperature: -10°C to +65°C
- 28VDC @ 10A
- Break before make
- Switches snap together
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"



Part No.	Cross Ref. #	Description	1	10	100
136557CK	MX061	10-pos. straight ..	\$3.79	\$3.41	\$3.06



Pushwheel Switches



- Electrical rating: 0.1A/50V
- Mechanical life: 1,000,000 cycles
- Temp. rating: -20 bis +80°C

PA Series: Very small sizes for front-mounting

PB Series: Only 6mm width for compact building of blocks with a larger number of modules

PE Series: For easy snap in front-mounting

609 Series Accessories for Assembly

- Left and right end caps, housings and spacers for PA, PB and PE series

C2 Series Connectors

- Make the connection of the selector switches very easy. Available with and without flange and with solder pin or solder lugs. For PA and PE series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Pushwheel Switch Offering at www.Jameco.com/Prod/CherryPushwheel

Alcoswitch Keylock Switches

SKT Series

- Contact rating: Gold - 0.4VA max. @ 20VDC or peak AC; Silver - 3A @ 125VAC/28VDC resistive
- Insulation resistance: 1000MΩ @ 500 VDC min.
- Dielectric strength: 1000 Volts @ sea level
- Operating temp.: -30°C to +85°C



SKF Series

- Contact rating: 1A @ 120VAC resistive
- Initial contact resistance: 50mΩ max.
- Operating temp.: -30°C to +85°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Keylock Switch Offering at www.Jameco.com/Prod/AlcoKeylock



Keylock Switches

- 2.5A or 4A @ 125VAC
- 2A @ 250VAC
- Terminal type: wire leads, screw, solder eyelet or solder lug

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Rotary Switch Offering at www.Jameco.com/Prod/GCKeylock

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

Pushbutton Switches

RoHS RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

JAMECO ValuePro

A Jameco EXCLUSIVE

Pushbutton Switches



Fig. 1



Fig. 2

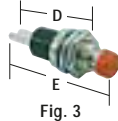


Fig. 3



Fig. 4

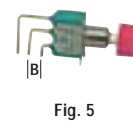


Fig. 5

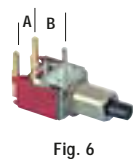


Fig. 6



Fig. 7

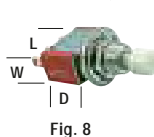


Fig. 8



Fig. 9

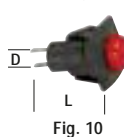


Fig. 10



Fig. 11



Fig. 12

Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing				
							A"	B"				1	10	100	500	1000
315432CK	R13-23A-R	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.29	\$1.20	\$.99	\$.92	\$.87
315483CK	R13-23B-R	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.19	.99	.92	.87
315441CK	R13-23A-B	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315491CK	R13-23B-B	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315459CK	R13-23A-BL	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315504CK	R13-23B-BL	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315467CK	R13-23A-W	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315512CK	R13-23B-W	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315475CK	R13-23A-Y	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315521CK	R13-23B-Y	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315598CK	R13-40A-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.35	1.23	1.10	.99	.93
315619CK	R13-40B-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.59	1.45	1.33	1.21	1.13
315580CK	R13-40A-B	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.35	1.23	1.10	.99	.93
315601CK	R13-40B-B	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.59	1.45	1.33	1.21	1.13
26622CK	MS102	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.55	.50	.45	.35	.29
26649CK	MS103	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.55	.50	.45	.35	.29
315643CK	R13-81-R	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.45	1.32	1.19	1.06	.94
315635CK	R13-81-B	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Black	1.45	1.32	1.19	1.05	.94
154879CK	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.99	1.89	1.79	1.69	1.59
71642CK	SWB210	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.19	1.99	1.78	1.60	1.39
202999CK	BB16	7	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	0.1A @ 28VAC	Solder right angle	White	1.18	1.09	.90	.85	.82
121304CK	CK8121	8	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28062CK	PB126	8	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
355451CK	J1881	9	2*	3/8"	SPST on-(off) Alt†	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	White	1.19	1.09	.94	.83	.72
355489CK	J1882	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	Red	1.09	.98	.88	.79	.70
174414CK	R13-510A	10	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69

Other Manufacturers

154878CK	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	\$1.79	\$1.70	\$1.61	\$1.51	\$1.43
200774CK	TPI2SH8AOE	7	3	7/32"	SPDT off-(on)	.32 x .20 x .33	.20	.10	1A @ 120VAC	PC right angle	Black	4.79	4.35	3.65	2.75	1.99
22200CK	J1881	11	2*	3/8"	SPST on-off, Alt†	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.09	.98	.83	.67	.50
22218CK	J1882	11	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	.99	.88	.79	.71	.62
307889CK	DS133	12	2	29/64"	SPST off-(on)	1.03 x .56 x .46	—	—	10A @ 125VAC	Solder Lugs	Black	4.15	3.75	3.49	3.14	2.83

† Alt = alternate action

* Lead wires

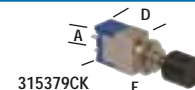
JAMECO ValuePro

Miniature Pushbutton Switches

• 6A@125V or 3A@250V

• Epoxy sealed

• Material: Alkyd base (UL94V-0), stainless steel cover



315379CK

Part No.	Cross Ref. No.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (D" x E")	Lead Spacing		Contact Rating (A @ VAC)	Terminal Type	Button Color	Pricing				
						A"	B"				1	10	100	500	1000
315395CK	PA101A1-B/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	\$2.79	\$2.53	\$2.28	\$2.05	\$1.93
315387CK	PA101A1-R/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.79	2.53	2.28	2.05	1.93
315379CK	PA102A1-B/BL	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	2.89	2.63	2.37	2.14	1.99
315408CK	PA102A1-R/BL	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.89	2.63	2.37	2.14	1.99

Other Manufacturers

447072CK	TP32Y0030050†	3	1/4"	SPST on-on	0.7 x 0.8	.11	—	0.4 @ 20	Solder	Black	\$2.59	\$2.37	\$2.13	\$1.90	\$1.75
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† Sub miniature

Switchcraft® Button-Switch® & Cord-Switch®

297300CK: Button-Switch®

• SPST-on (on) • Color: black • Mounting hole size: .469" • Panel thickness: .297" max.
• Rating: 250mA, 30W maximum, AC, non-inductive load • Compatible with P/N 297502CK

297502CK: Cord-Switch®

• Copper alloy plated housing and switch bushing • Maximum cable side diameter: .375"
• SPST-on (on) red pushbutton switch (same rating as P/N 297300CK) • Plastic insulation

Part No.	Product No.	Description	1	10	25
297300CK	913	Button-switch	\$2.55	\$2.36	\$2.23
297502CK	ED903	Cord-switch	10.49	8.55	8.43



Switch Grab Bags

18235CK: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches

135378CK: 1 lb. (approx. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches



Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235CK	GB165	0.4	\$8.75	\$7.69
135378CK	GB165LB	1.0	18.95	16.95

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



Pushbutton Switches

- Contact rating: 3A @ 125VAC • 2-pin • Lead type: solder terminal
- 164566CK /164638CK: Contact rating: .5A @ 125VAC 164582CK /164671CK: Contact rating: 1A @ 125VAC
- 106112CK: Contact rating: 3A @ 110VAC

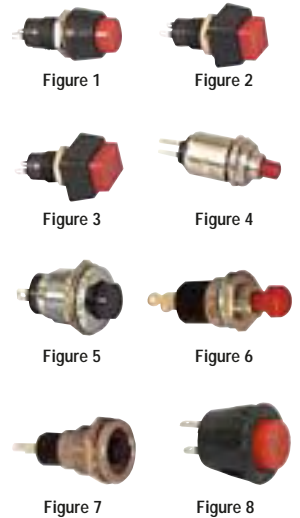
Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164494CK	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	\$2.09	\$2.05	\$1.97	\$1.88
164486CK	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.15	2.05	1.95	1.85
164523CK	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	1.95	1.87	1.81	1.74
164558CK	DS471R	3	SPST off-(on)	1.2"L x .75"Sq.	.160"	.387"	Red	2.39	2.29	2.19	2.09

Standard Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164566CK	MS402R	4	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	\$1.15	\$1.14	\$1.10	\$1.06
164582CK	DS016B	5	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.59	1.54	1.48	1.42
164638CK	MS3120R	6	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
164671CK	NS801MOB	7	SPST off-(on)	1.1"L x .59"Dia.	.213"	.468"	Black	2.45	2.05	1.94	1.77
106112CK	DS412R	8	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.05	1.03	.99	.98

* Solder lugs



Pushbutton Switches

IP and AV Series Panel Mount Pushbutton Switches

171758CK /171766CK: IP Series

- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC • Mounting hole: 1/2"Dia. • Dielectric strength: 1500Vrms min. • Mechanical life: 1,000,000 cycles min.

171774CK: AV Series

- Initial contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min. • Mounting hole: 3/4"Dia. • Dielectric strength: 1000Vrms min.

Part No.	Product No.	Pins	Type () Momentary	Dimensions			Lead Spacing	Contact Rating	Terminal Type	Pricing			
				L	W	D				1	10	100	250
171758CK	IPR3SAD2	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	\$10.39	\$9.35	\$8.45	\$7.49
171766CK	IPC3SAD6	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	10.39	9.35	8.45	7.49
171774CK	AV191003C900	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	11.95	10.84	9.75	8.79



Electromech



Panel Mount/Line Interrupt Pushbutton Switches

- UL 94V-0 flammability rating

E65/E68/E69/E75/E77/E78/E79/

F68/F69/F78/F79 Series Snap-In Panel Mount

- UL1054 rating: E65/E75: 16A, 125/250VAC;
E68/E78/F68/F78: 0.1A, 125VAC;
E69/E79/F69/F79: 10A, 125/250VAC;
E77: 0.1A, 125VAC

- Long-life coil spring, snap-action mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6,000 cycles min.

F81/F82/F83 Series Line Interrupt

- UL1054 rating: F81: 10A, 125/250VAC;
F82: 16A, 125/250VAC;
F83: 0.1A, 125/250VAC

- Double make/break shorting bars • High overtravel
- Temp. rating: -25°C to +85°C • Snap-in panel mounting

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



E Series



F Series

See Our Complete Panel Mount & Line Interrupt Pushbutton Offering at www.Jameco.com/Prod/CherryPB



Pushbutton Switches

- 30/32 Series** • SPST • 1A @ 115VAC
- 39 Series** • 1/4" butt contact • 0.5A @ 115VAC
- 4000 Series** • Wiping contact • 3A @ 115VAC

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See Our Grayhill Pushbutton Offering at www.Jameco.com/Prod/GrayhillPB



Alcoswitch Pushbutton Switches

MPA Series • Wire Lug or PC tails/Panel mount • 6A @ 125VAC

MPB Series • Subminiature/Panel mount • 3A @ 125VAC

MPE Series • Splashproof/Wire lug/Panel mount • 6A @ 125VAC

MPG Series • Mustang/Wire lug or PC tails • 6A @ 125VAC

MPS Series • Snap action/Wire lug • 3A @ 115VAC

MSPM Series

- Long Life/Magnetic reed • 1.0VA optimum

MSPF Series

- Front and rear entry mounts • 0.5A @ 125VAC

MSP/MSPS Series • 2.5mm travel/Panel mount

- (MSP) 3A @ 125VAC • (MSPS) 3A @ 125VAC

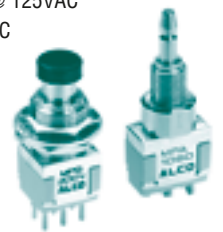
Illuminated Command Series

- Selector & keylock switches • Pilot Light indicators and lens sets

Pushbutton Accessories also available

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See Our Alcoswitch Pushbutton Offering at www.Jameco.com/Prod/AlcoPB



Pushbutton Switches

- Miniature** • 25A, .5A, 1A, 2A, 3A or 6A @ 125VAC;
.2A, .25A, .5A, 1A, 2A or 3A @ 250VAC

- Terminal: Solder lug or Eyelet, Screw, Quick Connect, Wire Leads or Tab

Standard • 6A, 10A, 15A or 16A @ 125VAC;

- 3A, 4A, 6A, 10A or 16A @ 250VAC

- Terminal type: Solder lug/PCB, Solder Eyelet, Screw, Quick Connect or Wire Leads

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See Our GC Pushbutton Switch Offering at www.Jameco.com/Prod/GCPB



Pushbutton Switches



8020 Series



8500 Series



8700 Series



8060 Series



E020 Series



GP Series



KM Series



KT Series

8020 Series Snap-Acting Momentary

- Contact rating: 6A @ 120VAC/8VDC; 3A @ 250VAC
- Operating temp.: -30°C to +75°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Long life contact design
- Insulation resistance: 1000MΩ min.
- Long travel

8060 Series Alternate Action and Momentary

- Contact rating: 0.4VA max. @ 20VAC/DC max. or 1A @ 120VAC/28VDC; 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30°C to +65°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Positive tactile feel
- Insulation resistance: 1000MΩ min.

8500 Series Subminiature

- Contact rating: 1A @ 120VAC/28VDC or 3A @ 120VAC/28VDC
- Operating temp.: -30°C to +65°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Reliable contact design
- Insulation resistance: 1000MΩ min.

8600 Series Microminiature

- Contact rating: 500mA @ 120VAC/28VDC; 250mA @ 250VAC or 250mA @ 120VAC/28VDC; 125mA @ 250VAC
- Operating temp.: -30°C to +65°C
- Dielectric strength: 500V_{RMS} min. @ sea level
- Microminiature size ideal for applications where space is limited
- Insulation resistance: 1000MΩ min.

8700 Series Overtravel

- Contact rating: 1A @ 120VAC/28VDC
- Operating temp.: -30°C to +65°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Continuous plunger seal
- Long electrical life – 100K cycles
- Insulation resistance: 100MΩ min.
- Heavy-duty brass plunger

TP Series Tiny

- Contact rating: 0.4VA max. @ 20VAC/DC max. or 1A @ 120VAC/28VDC
- Operating temp.: -30°C to +85°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Subminiature size – capable of switching 1A
- Insulation resistance: 1000MΩ min.

NE-18 Series Mains/Power

- Switching power: 12W max.
- Dielectric strength: 2000V
- Switching voltage: 24V max.

PHA Series Short Stroke

- Switching power: 3W max.
- Dielectric strength: 500V between open contacts, 1500V between chassis and closed contacts
- Low cost, reliable contact design
- Optional buttons
- Switching voltage: 30V max.

E010 Series Sealed Momentary

- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30°C to +75°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed, withstands soldering and cleaning
- Long life contact design
- Insulation resistance: 1000MΩ min.

E020 Series Sealed Snap-Acting Momentary

- Contact rating: 0.4VA max. @ 20 AC/DC max. or 1A @ 120VAC/28 V DC; 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30°C to +75°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed with disposable splashproof boot
- Long life contact design
- Insulation resistance: 1000MΩ min.

KM Series Subminiature

- Contact rating: 0.25A @ 125VAC/DC or 1A @ 125VAC/28VDC
- Operating temp.: -30°C to +85°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed with disposable splashproof boot
- Reliable contact design
- Insulation resistance: 1000MΩ min.

GP Series Sealed Ultraminiature

- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 500V_{RMS} min. @ sea level
- Ultraminiature design saves space
- Process compatible, withstands most soldering and washing processes
- Sealed construction – internal o-ring and epoxy base
- Insulation resistance: 1000MΩ min.

PN Series Alternate and Momentary Action

- Contact rating: 0.2A @ 30VDC max.
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC min.
- Low cost, reliable contact design
- Operating temp.: -10°C to +60°C

EP Series Sealed Tiny

- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Sealed against solder and cleaning processes
- Insulation resistance: 1000MΩ min.

Lumotast® 75 Series Illuminated Momentary & Latching

- IP40 Degree of protection
- Contact rating: 4A @ 12-250VAC, 0.2A @ 12-220VDC
- Contact system: snap-action bridge contact
- Contact resistance: 200mΩ after operating life
- Operating temp.: without lamp/LED: -25°C to +70°C; with lamp/LED: -25°C to +55°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Pushbutton Switch Offering at www.Jameco.com/Prod/CKPushbutton

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch

- Alternate action double pole switch
- Contacts rated at 250VAC
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D

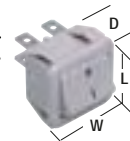


174238CK

Part No.	Description	Current	1	10	100
174238CK	PC push button	8A	\$.94	\$.85	\$.78

PC Rocker Switch

- For mini-tower cases
- Contacts rated at 250VAC
- UL/CSA approved
- DPST
- Size: 0.9"L x 1.2"W x 1.4"D



Part No.	Description	Current	1	10	100
127028CK	PC rocker	10A ..	\$2.95	\$2.69	\$2.39

OMRON D2F Series Subminiature PCB Plunger Switch

Use in Place of Shorting Block

- SPST (on/off)
- Contact rating: 50mA @ 24VDC
- Non-removable plunger
- Size: 0.2"W x 0.1"D x 0.38"H
- Lead length: 0.1"L
- 10 piece minimum



Quantity SAVE

Part No.	Description	10	100	1000
172700CK	Plunger switch	\$.10	\$.085	\$.064

Our friendly Sales department will take your order 24x7x365

Switchcraft® Uniswitch® Switches

- Illuminated
- 250mA, 30W max.
AC non-inductive load
- Snap-in mounting
- Switch housing: molded plastic
- Color: grey
- Prepackaged: please order in increments of 100



Part No.	Description	100	500
568528CK	LUS001ST Illuminated switch▲	\$2.55	\$2.27
568536CK	P23491 Red button▲	.99	.89
568544CK	P23497 Orange button▲	.99	.89

Switchcraft® Push-Lite® Switches

- SPDT, momentary
- Color: black & white
- AC rating: 2A, 125V max.
non-inductive
- Prepackaged: please order in increments of 50 or 100



Part No.	Description	50	100
568552CK	PL103205 switch▲	\$37.29	\$33.58

▲ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Alcoswitch Oil-Tight Pushbutton Switches

Reliant 22 series

- 6A @ 600VAC
- Metal and plastic bushings

RM/RT Series

- 22mm/momentary

SR Series

- Pilot light/full voltage



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See Our Alcoswitch Oil-Tight Switches Offering at www.Jameco.com/Prod/AlcoOilTight

Alcoswitch Tiny Pushbutton Switches

TP Series

- Gold: 0.4VA Max. @ 20VDC; Silver: 1A @ 125VAC
- Straight or right angle
- Single or dual actuators
- Threaded or unthreaded



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See Our Alcoswitch Tiny PB Offering at www.Jameco.com/Prod/AlcoTinyPB

Slide Switches

- Circuit function: On-On
- Mounting: surface or snap-in
- Terminal type: solder lug & PC lug



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See Our GC Slide Switch Offering at www.Jameco.com/Prod/GCSlide

Jameco's Got the Docs

Find them easily on the product specification pages at www.Jameco.com

Alcoswitch

MM Series

- Double-wipe contacts for low resistance
- Contacts rated: 100mA @ 30VDC/peak AC
- Initial contact resistance: 20mΩ max.

MHS Series

- Subminiature slides feature moving contact for positive wiping action
- Contact rating: Silver: 300mA @ 125VAC; Gold: 0.4VA @ 20VDC

MSS Series

- Compact PC board slide switches upright and right angle

SS Series

- Contact rating: Gold: 0.4VA max. @ 20VDC; Silver: 100mA @ 30VDC
- Initial contact resistance: 30mΩ max.

SE Series

- Contact rating: 0.4VA @ 20VDC
- Dielectric strength: 500VAC for 1 min.

SLS Series

- Contact rating: 250mA @ 125VAC, 150mA @ 12VDC
- Initial contact resistance: 30mΩ max.

TSS Series

- Non-shorting, gold-plated contacts: 0.4VA max. @ 20VDC/peak AC

STS Series

- PC mount units, bifurcated contacts rated 300mA @ 125VAC/30VDC
- Initial contact resistance: 20mΩ max.

AS Series

- Withstand aqueous or solvent cleaning processes
- Auto insertable slides
- Type ASE: extended actuator and Type ASF: DIP package available

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See Our Alcoswitch Slide Switch Offering at www.Jameco.com/Prod/AlcoSlide

Slide Switches



Slide Switches



ES Series



GS Series



L Series



S Series



TS Series



V Series

1000 Series Miniature

- Epoxy terminal seal – compatible with bottom-wash cleaning
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 6A @ 120VAC/28VDC; 3A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +65°C
- Insulation resistance: 1000MΩ min.

ES Series Sealed Tiny

- Reliable contact design ensures long electrical life
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Insulation resistance: 1000MΩ min.

GS Series Sealed Ultraminiature

- Ultraminiature design saves PCB space
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Dielectric strength: 500V_{RMS} @ sea level

L Series Miniature

- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC; 0.5A @ 125VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Enclosed housing
- Insulation resistance: 1000MΩ min.

S Series Standard

- Contact rating: 6A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 15A @ 125VAC; 6A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Enclosed housing
- Insulation resistance: 1000MΩ min.

TS Series Tiny

- Reliable contact design ensures long electrical life
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 3A @ 120VAC/28VDC or 1A @ 120VAC/28VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +85°C
- Insulation resistance: 1000MΩ min.

V Series Power & Line Voltage Select

- Actuators with screwdriver slot
- Contact rating: 10.1A max. @ 125VAC; 4A @ 28VDC; 5A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +85°C
- Insulation resistance: 1000MΩ min.

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See Our Complete C&K Slide Switches Offering at www.Jameco.com/Prod/CKSlide

Slide & Rocker Switches



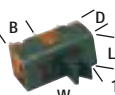
RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

JAMECO ValuePro

Slide Switches



109170CK



161816CK



204142CK



202770CK

* 10 piece minimum

- Two mounting flanges
- Top actuation
- Nylon actuator
- Phenolic insulated

Part No.	Pins	Type	Description	Housing Material #	Dimensions			Lead Spacing		Contact Rating	Lead Length	Actuator Height	Pricing			
					L"	W"	D"	A"	B"				1	10	100	250
109170CK	3	SPDT on-on	PC mount	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	\$.31	\$.26	\$.23	\$.19
161816CK	6	DPDT on-on	PC mount	Plastic	.38	.14	.13	.13	.11	0.1A @ 20VDC	.11"	.08"	\$.59	\$.49	\$.39	\$.29

Other Manufacturers — Great Deals

204142CK	3	SPDT on-on*	PC mount	Plastic	.77	.40	.37	—	.19	2.0A @ 28VDC	.19"	.17"	\$.28	\$.16	\$.15	\$.13
202770CK	6	SPDT on-on	PC mount	Plastic	.35	.70	.30	.17	.20	0.1A @ 30VDC	.16"	.32"	*	\$.095	\$.087	\$.079

† Plastic — flanges

* Side actuated

Plastic: 6/6 nylon; metal: steel zinc plated

JAMECO ValuePro

Rocker Switches



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Part No.	Cross Ref. No.	Fig.	Pins	Type	Contact Rating (A @ VAC)	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Lead Space		Dimensions (L"xW"xD")	Pricing		
											A"	B"		1	10	100
316451CK	R13-243A-02	1	2	SPST on-off	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	\$1.39	\$1.26	\$1.14
316478CK	R13-243F-02	1	2	SPST (on)-off	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	2.05	1.88	1.69
196154CK	R30NSA	2	2	SPST on-off	15 @ 125	1.07"L x .43"W	Panel Mnt	250" Quick conn.	Solid Black	Rectangle	0.45	—	1.07 x .42 x .77	1.75	1.59	1.44
316013CK	R13-66A-B-02	3	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316021CK	R13-66A-R-02	4	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316128CK	R13-73B-R-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316136CK	R13-73B-Y-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316144CK	R13-73B-G-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.65	1.50	1.35
316048CK	R13-66B-G-02	6	3	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.67
140531CK	CK7101	7	3	SPDT on-on	5 @ 120	—	PC Mount	PC right angle	Solid Black	Rectangle	0.15	—	.50 x .50 x .27	1.49	1.34	1.21
316056CK	R13-66C-B-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316064CK	R13-66C-R-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Red	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316072CK	R13-66D-02	6	3	SPDT on-off-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black (I-O-I)	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.80
316110CK	R13-73A2-B-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black (I-O)	Rectangle	0.20	0.34	.83 x .59 x .87	1.69	1.58	1.42
316152CK	R13-73C-R-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316161CK	R13-73C-Y-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316179CK	R13-73C-G-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.25	2.04	1.84

Other Manufacturers — Great Deals

140530CK	CK7101	—	3	SPDT on-on	5 @ 120	—	PC mnt. vert.	PC right angle	Black	Rectangle	0.15	—	.50 x .50 x .27	\$1.49	\$1.34	\$1.21
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Rocker Switches

CR Series Power Rugged

- UL1054 rating: 20A, 125VAC; 16A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

FR Series Double Pole 12A Switching

- UL1054 rating: 12A, 125VAC/250VAC
- Temp. range: -20°C to +125°C (UL); -20°C to +55°C (VDE)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

GR Series Compact 15A Switching

- UL1054 rating: 15A, 125VAC; 10A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

LR Series Miniature High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

RR Series Round High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

PR Series Panel Mount Power

- UL1054 rating: 6A, 125VAC; 3A, 250VAC
- Smallest agency-approved, low profile
- Temp. range: 0°C to 100°C (VDE); -20°C to +65°C (UL)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

SR Series Miniature

- UL1054 rating: 10A, 125VAC; 6A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

TR Series Thin Power

- UL1054 rating: 16A, 125VAC/250VAC
- 16A switching in 11mm wide package
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

WR Series Double Pole Power

- UL1054 rating: 16A, 125VAC/250VAC
- Rugged construction for 2-pole, high-current applications
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.



GR Series



PR Series



FR Series



TR Series



RR Series



WR Series

See Our Complete Series of Cherry Rocker Switches Offering at www.Jameco.com/Prod/CherryRocker

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Alcoswitch

TRD Series

- Contact rating: silver 3A max. @ 125VAC
- Dielectric strength: 1000VRMS @ sea level
- Insulation resistance: 1000M Ω @ 500VDC
- Contact resistance: 20m Ω max. • Operating temp.: -20°C to +85°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Rocker/Paddle Switches

PRA/PRB/PRD Series Snap-In

- Current: 16A@125VAC; 10A@250VAC
- Dielectric strength: >1000VAC, 1 min.
- Insulation resistance: >100M Ω min.
- Operating life endurance: up to >100,000 operations



See Our Complete Series of AlcoSwitch Rocker Switches Offering at www.Jameco.com/Prod/AlcoRocker



Rocker Switches



C Series



CA Series



CR Series



DA Series



DF Series



DM Series



E Series



7000 Series

C Series Power

- Contact rating: 15A @ 125VAC; 10A @250VDC
- Insulation resistance: 1000M Ω min. • Positive detent
- Dielectric strength: 2500V_{RMS} @ sea level • Snap-in mounting

CA Series Power

- Contact rating: 15A @ 125VAC; 10A @250VDC
- Insulation resistance: 1000M Ω min. • Positive detent
- Dielectric strength: 1000V_{RMS} @ sea level • Cosmetic slimline detail

CR Series Round Single Pole Specialty

- Contact rating: 10A @ 125VAC; 6A @250VDC • Nice styling
- Dielectric strength: 1500V_{RMS} @ sea level • Insulation resistance: 100M Ω min.

D Series Miniature Snap-in Power

- Contact rating: 4A @ 125VAC; 2A @ 250VAC or 10A @125VAC; 5A @ 250VDC
- Insulation resistance: 1000M Ω min. • PC and quick connect terminals
- Dielectric strength: 1000V_{RMS} @ sea level • Low cost

DA Series Miniature Single Pole

- Contact rating: 16A @ 125VAC, 1/3HP; 10A @ 250VAC 1/2HP
- Insulation resistance: 100M Ω min. • Guards to prevent accidental actuation
- Dielectric strength: 1500V_{RMS} @ sea level

DF Series Power

- Power switching up to 16 A
- Contact rating: 16A @ 125/250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000M Ω min.
- Sub-panel and panel mounting
- Multi-position/multi-pole function

DM Series Miniature Power

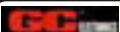
- Contact rating: 3A @ 125VAC; 2A @ 250VAC or 10A @125VAC; 5A @ 250VAC
- Insulation resistance: 1000M Ω min. • Illuminated or non-illuminated
- Dielectric strength: 1000V_{RMS} @ sea level • Quick connect terminals

E Series Sealed Miniature, ET Series Sealed Subminiature and 7000 Series Miniature

- Sealed terminals prevent contamination during soldering
- Contact rating:
E Series: 0.4VA max. @ 20VAC/DC, 7.5A @ 125VAC/28VDC, 3A @ 250VAC,
5A @ 125VAC/28VDC, 2A @ 250VAC;
ET Series: 0.4VA max. @ 20VAC/DC;
7000 Series: 0.4VA max. @ 20VAC/DC or 5A @120VAC/28VDC; 2A @ 250VDC
- Insulation resistance: 1000M Ω min. • Operating temp.: -30°C to 85°C
- Dielectric strength: 1000V_{RMS} @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Rocker Switch Offering at www.Jameco.com/Prod/CKRocker



Rocker Switches

Miniature

- 4A, 8A, 10A, 11A or 16A @ 125VAC;
- 2A, 3A, 4A, 5A or 16A @ 250VAC
- Black, Red or White Plastic
- Illuminated and non-illuminated

Standard Appliance

- 10A, 12A, 15A, 16A or 20A @ 125VAC;
- 8A, 10A, 15A, 16A or 20A @ 250VAC
- With and without imprinting
- Illuminated and non-illuminated

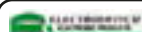
Automotive/Marine

- Insulation resistance: 50M Ω
- Terminal type: Quick Connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Rocker Switch Offering at www.Jameco.com/Prod/GCRocker

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Switches



PS Series



A Series

PS Series Pushbutton

- Contact rating: 5A @ 125VAC, 5A @ 28VDC
- Contact resistance: 50m Ω max.
- Insulation resistance: 1000M Ω min.

B Series Rocker

- Contact rating: 0.55A @ 28VDC
- Contact resistance: 10m Ω max. initial
- Insulation resistance: 1000M Ω min.

A Series Toggle

- Contact rating: 6A @ 125VAC, 3A @ 250VAC
- Contact resistance: 10m Ω max. initial
- Insulation resistance: 1000M Ω min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our ElectroSwitch Switch Offering at www.Jameco.com/Prod/ElectroSwitch



Toggle Switches

Miniature

- 3A @ 125VAC/28VDC;
- 5A @ 125VAC/28VDC;
- 6A @ 125VAC/28VDC
- Terminal type: Solder, PC or Solder Quick Connect

Medium Duty

- 3A, 4A, 6A, 15A, 20A or 21A @ 125VAC; 2A, 3A, 5A, 8A or 10A @ 250VAC
- Terminal type: Solder, Screw, Quick Connect, Wire Leads or Solder Quick Connect
- Illuminated and non-illuminated

Heavy Duty

- 15A, 16A, 17A, 20A or 35A @ 125VAC;
- 8A, 10A or 12A @ 250VAC
- Terminal type: Solder, Screw or Quick Connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Toggle Switch Offering at www.Jameco.com/Prod/GCToggle

Standard Toggle Switches

- Panel mount
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Medium duty
- Keyed plate indicates switch position

Includes: Mounting hardware and on/off plate

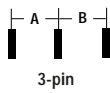


Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76241CK	SWM128	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.49	\$1.29	\$1.19	\$.99	\$.89
76232CK	SWM125	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	1.75	1.59	1.45	1.29	1.15
317817CK	R13-25A1-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	1.39	1.29	.85	.81	.80
317833CK	R13-25A2-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	1.99	1.75	1.39	1.25	1.19
317809CK	R13-25A1-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	1.39	1.29	.85	.81	.80
317825CK	R13-25A2-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.39	1.25	1.19
318001CK	R13-28A-01	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318019CK	R13-28A-05	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	1.99	1.45	1.39	1.25	1.13
318027CK	R13-28A-06	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.25	1.99	1.55	1.39	1.25
317892CK	R13-25C1-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.39	2.15	1.69	1.52	1.46
317913CK	R13-25C2-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.51	1.49
317884CK	R13-25C1-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	2.85	2.55	2.00	1.79	1.72
317905CK	R13-25C2-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.45	2.15	1.69	1.51	1.49
318086CK	R13-28C-01	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.39
318094CK	R13-28C-05	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.39
318107CK	R13-28C-06	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.75
317930CK	R13-25D1-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.45	2.15	1.69	1.55	1.45
317956CK	R13-25D2-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.55	1.45
318123CK	R13-28D-01	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.47
318131CK	R13-28D-05	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.47
318140CK	R13-28D-06	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060CK	JKN32	1	4	DPST on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.05	.95	.85	.75
76260CK	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29	1.15
158078CK	JKN3CC	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.85
317850CK	R13-25B1-05	3	6	DPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
318043CK	R13-28B-01	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051CK	R13-28B-05	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09
318060CK	R13-28B-06	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	4.59	4.15	3.19	2.89	2.75
317972CK	R13-25E1-05	3	6	DPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25

Other Manufacturers — Great Deals

76259CK	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	\$1.59	\$1.45	\$1.29	\$1.15	\$1.05
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Specialty Switches

- Pull chain switches
- Reed switches
- Proximity switches
- Knife switches
- Mercury tilt

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Specialty Switch Offering at www.Jameco.com/Prod/GCSpecialty

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Alcoswitch

Toggle Switches

Gemini A Series Miniature

- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Insulation resistance: 1000MΩ @ 500VDC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -20°C to 85°C

AE Series Washable

- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Insulation resistance: 1000 MΩ @ 500VDC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -20°C to +85°C

MT Series

- Contact rating: gold: 6A @ 125VAC, 3A @ 250VAC
- Insulation resistance: 1000 MΩ @ 500VDC min. for 1 minute
- Dielectric strength: 1500VAC
- Operating temp.: -20°C to +80°C

TT Series

- Contact rating: 0.4VA @ 20VDC or peak AC or 3A @ 125VAC
- Insulation resistance: 1000 MΩ min. @ 500VDC min.
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -30°C to +85°C

7320/7360/7402 Series Power

- Contact rating: 7320 series: 16A @ 125VAC, 8A @ 250VAC; 7360 series: 20A @ 125VAC, 10A @ 250VAC; 7402 series: 20A @ 125/250VAC
- Operating temp.: 0°C to 55°C
- Screw terminals

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See Our Alcoswitch Toggle Switch Offering at www.Jameco.com/Prod/AlcoToggle



A Series



MT Series



7320 Series

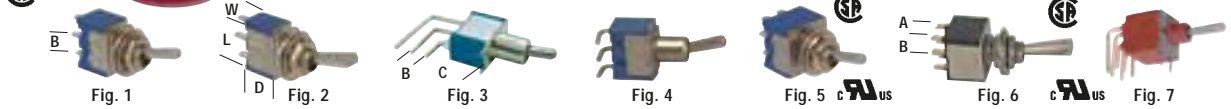
JAMECO ValuePro

- Mounting hole diameter: 1/4"

Includes: Mounting hardware



Miniature Toggle Switches



Part No.	Cross Ref. No.	Fig.	Pins	Type () Momentary	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76523CK	JMT113	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.15	\$1.03	\$.93	\$.75	\$.65
21936CK	JMT123	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.03	.93	.75	.65
21910CK	JMT121	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.85
22832CK	LFH123	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.15	1.05	.95	.85	.75
75854CK	SWM132	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.94	.69
75889CK	SWM129	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
26331CK	MPC123	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315CK	MPC121	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.75
71597CK	SWM148	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.19	1.09	.91	.73	.55
75871CK	SWM145	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841CK	LFH221	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979CK	JMT223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859CK	LFH223	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.29	1.19	1.05	.95	.85
75900CK	SWM133	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.85
21952CK	JMT221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.89	.75
75951CK	SWM130	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
26366CK	MPC223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358CK	MPC221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.16	1.04	.89	.75

Other Manufacturers

105814CK	SWA208	5	6	DPDT on-(on)	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	\$1.59	\$1.45	\$1.29	\$1.15	\$.89
202964CK	WI24	7	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.15	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.59	.79	.68	.54	.41

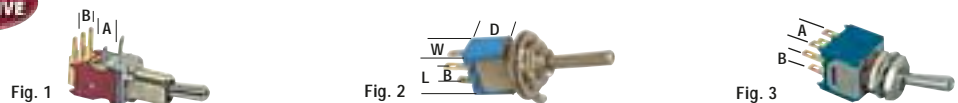
JAMECO ValuePro

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware



Subminiature Toggle Switches



Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing		Contact Rating	Lead Type	Lever Type	Pricing				
						A"	B"				1	10	100	500	1000
106067CK	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	\$1.99	\$1.83	\$1.59	\$1.44	\$1.32
72160CK	SW1501	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.09	1.07	1.04	.99	.84
75969CK	SWM136	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
72557CK	SW1502	2	3	SPDT on-off-on	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.35	1.25	1.05	.85	.60
138907CK	SW1503	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55
75977CK	SWM137	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55

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Jameco's recently introduced ValuePro line of passive, electromechanical and interconnect products are high-quality electronic components and guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost.

No more high-priced brand markup... no more costly layers of distribution... no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!

Practical Practices
 Money Saving Tips for the Engineer



See Our Extensive Switch Offering Online

Pages 159 – 174





Toggle Switches

E Series Sealed Miniature

- Contact rating: 7.5A @ 125VAC or 28VDC; 3A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level.
- Sealed against solder and cleaning process contaminants
- UL 94V-0 Nylon case and bushing
- Operating temp.: -30°C to +85°C

GT Series Sealed Ultraminiature

- Contact rating: 0.4VA max. @ 20VAC or DC max.
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 500V_{RMS} min. @ sea level
- Operating temp.: -30°C to +85°C
- Sealed against solder and cleaning process contaminants
- Ultraminiature size, smallest footprint available

T Series Subminiature

- Contact rating: 0.4 VA max. @ 20VAC/VDC max; 3A @ 120VAC or 28VDC
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Operating temp.: -30°C to +85°C
- Compact size, small footprint

7000 Series Miniature

- Contact rating: 0.4VA max. @ 20VAC/VDC max; 5A @ 120VAC or 28VDC; 2A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Operating temp.: -30°C to +85°C
- Epoxy sealed terminals prevent contamination

9000 Series Power

- Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC or 10A @ 125VAC/28VDC; 5A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 2500V_{RMS} min. @ sea level
- Operating temp.: -30°C to +85°C

MIL-S-83731 Series Military/Aerospace/Hi-Rel

- Contact rating: 0.4VA max. @ 28VAC/DC max.
- Operating temp.: -25°C to +71°C

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See Our Complete C&K Toggle Switch Offering at www.Jameco.com/Prod/CKToggle



E Series



GT Series



T Series



7000 Series



Tactile Switches



ED Series



PTS525 Series



KMR Series



KSJ Series



KT Series

ED & EDM Series Dome

- Gold (Au) or silver (Ag) contacts
- Contact resistance: ≤10mΩ or ≤15mΩ
- Switching power: 3W or 6W
- Proven application in avionics
- Switching voltage: 100VDC

KMR Series Microminiature for SMT

- Compatible with lead free soldering
- Extra large actuator
- Insulation resistance: ≥1GΩ
- EMC protection
- Contact resistance: ≤100mΩ

KMS Series Microminiature Side Actuated for SMT

- Compatible with lead free soldering
- Contact resistance: ≤100mΩ
- Dielectric strength: 250VDC
- Grounded cover for EMC protection
- Insulation resistance: 1000MΩ

KSA & KSL Series Sealed

- Cambered terminals to ensure self retention
- Dielectric strength: 300V_{RMS}
- Contact resistance: <50mΩ
- Insulation resistance: >100000MΩ

KSB & KSF Series Low Profile

- Contact resistance: KSB: 50mΩ; KSF: 100mΩ
- Dielectric strength: 300V_{RMS}
- Insulation resistance: >100000MΩ

KSC Series Sealed for SMT

- Contact resistance: <100mΩ
- Insulation resistance: >100000MΩ
- Dielectric strength: 250V

KSJ Series Spherical Actuator

- Contact resistance: ≤50mΩ
- Dielectric strength: ≥300V_{RMS}
- Insulation resistance: >100000MΩ

KSR Series Subminiature for SMT

- Saves PCB space
- Contact resistance: ≤100mΩ
- N.O. or N.C. contacts
- Insulation resistance: 1000MΩ

KSS Series Subminiature Side Actuated for SMT

- Insulation resistance: ≥1000MΩ
- Dielectric strength: ≥250VAC
- Low profile of 1.6mm
- Contact resistance: ≤100mΩ

KST Series Long Travel for SMT

- Rubber actuator
- Insulation resistance: >1000MΩ
- Dielectric strength: >250VAC
- Silver contact material
- Operating temp.: -40°C to +125°C
- Contact resistance: <100mΩ

KT Series Right Angle Sealed for SMT

- High shear force with extended bracket
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 250V_{RMS} min. @ sea level
- Contact rating: 1VA max. @ 50VAC/DC
- Contact resistance: <50mΩ typical

PTS125 Series 12mm

- Stable control feeling
- Insulation resistance: 100000MΩ min.
- Dielectric strength: 250VAC min.
- Contact rating: 50mA @ 12VDC
- Operating temp.: -40°C to +60°C
- Contact resistance: 100mΩ initial

PTS453 Series 4.5mm

- Compact size 4.5 x 4.5 mm
- Contact rating: 50mA @ 12VDC
- Dielectric strength: 250VAC min.
- Operating temp.: -40°C to +60°C
- 3.8 mm actuator height
- Insulation resistance: 100000MΩ min.
- Contact resistance: 100mΩ initial

PTS525 Series Microminiature for SMT

- Ultra low profile, 0.8 & 1.5 mm actuator height
- Contact rating: 50mA @ 12VDC
- Dielectric strength: 250VAC min.
- Operating temp.: -40°C to +60°C
- Insulation resistance: 100000MΩ min.
- Contact resistance: 100mΩ initial

PTS635 Series 3.5mm

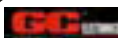
- Compact size 6 x 3.5 mm
- Contact rating: 50mA @ 12VDC
- Dielectric strength: 250VAC min.
- Operating temp.: -40°C to +60°C
- Insulation resistance: 100000MΩ min.
- Contact resistance: 100mΩ initial

PTS645 Series 6mm

- Compact size 6 x 6 mm
- Contact rating: 50mA @ 12VDC
- Dielectric strength: 250VAC min.
- Operating temp.: -40°C to +60°C
- Insulation resistance: 100000MΩ min.
- Contact resistance: 100mΩ initial

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See Our Complete C&K Tactile Switch Offering at www.Jameco.com/Prod/CKTactile



Tactile Switches



- SPST
- 12VDC @ 50mA
- PCB, low profile or right angle

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See Our GC Tactile Switch Offering at www.Jameco.com/Prod/GCTactile

Switch Assortment Kit

Includes:

- 20-drawer component cabinet (319599CK), 20 clear plastic drawers (319601CK), 20 clear dividers (319610CK), pg 296 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523CK, 21936CK, 21910CK, 26331CK, 26315CK, 21979CK, 21952CK, 26366CK, 26358CK), pg 169
- 10 ea. slide switches (109170CK), pg 166
- 10 ea. pushbutton switches (26622CK, 26649CK), pg 162
- 10 ea. DIP switches (38818CK, 38842CK), pg 173
- 10 ea. tactile switches (153251CK), pg 171



SAVE \$51



Part No.	Description	Wt. (lbs.)	1	10
85059CK	150 pcs. switch kit	5.0	\$98.95	\$88.95

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JAMECO ValuePro

Tactile Switches

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Fig. 1

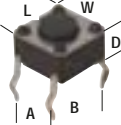


Fig. 2

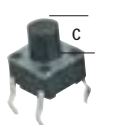


Fig. 3

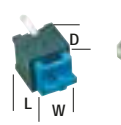


Fig. 4



Fig. 5



Fig. 6

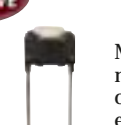


Fig. 7



Fig. 8



Fig. 9



Fig. 10

* 10 piece minimum

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A*	B*			1	10	100	250
122972CK	DTS1212	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	\$.26	\$.23	\$.19	\$.17
119010CK	KT11B1CM	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22	.20
149948CK	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	*	.23	.21	.19
115087CK	KIE22	4	2	.24	.24	.22	—	.25	.20	20 @ 15	Blue	.39	.35	.29	.26
199727CK	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.30	.221	.196	.187
200362CK	EVQPB04K	8	5	.24	.24	.14	.30	.17	.26	20 @ 15	Black	.29	.26	.23	.20
137189CK	PBS103	1	4	.47	.47	.17	—	.20	.50	50 @ 12	Black	.39	.35	.32	.19
153251CK	SDT620K	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155248CK	KRS-3550-BK	5	2	.24	.14	.15	—	.27	.50 @ 12	Black	Black	.22	.20	.16	.15
155379CK	KRS-1273B	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

Tactile Switch Caps*

10 piece minimum

Part No.	Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155389CK	KRS-CAP-A	9	Square	.47" L x .47" W x .16" H	Plastic	P/N 155379CK	\$.15	\$.11	\$.10
155408CK	KRS-CAP-B	10	Round	.50" Dia. x .25" H	Plastic	P/N 155379CK	.15	.13	.11

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.*	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A"	B"			1	10	100	250
199726CK	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	\$.27	\$.199	\$.176	\$.168
206341CK	KPT1107A	5	2	.24	.14	.15	—	.25	.50	50 @ 12	Beige	.23	.21	.19	.17
454491CK	DST21N	1	4	.47	.47	.14	.03	.19	.47	50 @ 12	Brown	.23	.21	.19	.17
454504CK	DSTM-61R ¹	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Red	.23	.21	.19	.17
454512CK	DSTM-61K ¹	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Black	.23	.21	.19	.17
202956CK	KSM06330	8	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.26	.15	.13	.12

* Manufacturer may vary † 200362CK: with ground pin ‡ See switch caps above § 454504CK/454512CK: SMD

Detect Switches



DDS Series



KDS Series



KSM Series



KSU Series



SDS Series

DDS Series Micro Mini Thru-Hole

- 2mm overtravel — Ideal for detector applications mechanical device
- Contact rating: 0.1A @ 30VDC
- Insulation resistance: 100MΩ min @ 100VDC
- Contact resistance: 150mΩ max.
- Operating temp.: -25°C to +85°C

KDS Series Intrusion

- Slot mount into chassis to reduce installation cost
- Contact rating: 0.4A @ 20VAC/DC
- Insulation resistance: 1000MΩ
- Contact resistance: 200mΩ max.
- Operating temp.: -30°C to +85°C

KSM Series Side Actuated

- Low profile — 1.5mm
- Insulation resistance: 1000MΩ
- Contact resistance: ≤200mΩ
- Operating temp.: -40°C to +125°C

KSU Series Micro Mini Surface Mount

- New multi contact construction
- Contact resistance: ≤100mΩ
- Insulation resistance: 1000MΩ min. @ 100VDC
- Momentary, normally closed contact
- Operating temp.: -40°C to +125°C
- Dielectric strength: ≥250V_{RMS}

SDS Series Side Actuated

- Low profile package sits just 2mm off PCB
- Insulation resistance: 100MΩ min. @ 100VDC
- Operating temp.: -20°C to +60°C
- Contact resistance: 100mΩ max.

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See Our Complete C&K Detect Switch Offering at www.Jameco.com/Prod/CKDetect

B3F Series Miniature Tactile Key Switch

Miniature, low profile and easy mounting. Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.



- Extended mechanical/ electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: 188787CK general purpose 100g P/N 162886CK and high-force 260g 188787CK 7.3mm x 6.5mm

Part No.	Type	1	25	50	100
162886CK	B3F-1000	\$.45	\$.40	\$.36	\$.33
188787CK	B3F-1050	.35	.29	.21	.17

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

171871CK:

- 500mA @ 100VDC
- Size: 0.53" L x 0.1" Dia.
- 164081CK: 1A @ 250VAC; 1A @ 50VDC
- Size: 1.43" L x 0.2" Dia.



Part No.	Cross Ref. No.	1	10	100	1000
171871CK	MKA14103	\$.79	\$.64	\$.46	\$.41
164081CK	MRS1	.79	.63	.43	.39

Alcoswitch Tactile Switches

FSM Series

- Operating temp.: -40°C to +85°C
- Initial contact resistance: 100mΩ max.
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC for 1 minute



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See Our Alcoswitch Tactile Switch Offering at www.Jameco.com/Prod/AlcoTactile

Navigation Switches

TPA Series Tact for SMT

- One touch, 5 way switching
- Distinctive tactile feel for scanning and select functions
- Contact resistance: ≤200mΩ initial
- Insulation resistance: 1000MΩ @ 100VDC
- Dielectric strength: 250VDC



TPC Series Tri-Direction Scan

- One touch, 3 way switching
- Superior tactile feel
- Rotation of actuator closes two individual contacts
- Contact resistance: ≤300mA
- Insulation resistance: 1000MΩ @ 100VDC
- Dielectric strength: 250VDC
- Operating temp.: -40°C to +125°C



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See Our Complete C&K Navigation Switch Offering at www.Jameco.com/Prod/CKNavigation

JAMECO ValuePro

Rotary Switches

- Contact rating: 30VDC @ 0.3A • Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ • Lug size: 0.07" • Mounting hole diameter: 3/8"
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic wafer (except for P/N 101565CK – plastic casing) • Make before break
- Compatible with Jameco rotary knobs P/N 102787CK and 104176CK, pg 185
- Layers: 1
- Contact
- Solder lugs
- Panel mount

Includes: Washer and nut

Part No.	Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.)	1	10	100
101531CK	RS0261	1	12	0.46 x 0.25	\$1.39	\$1.25	\$1.12
101573CK	RS022	2	6	0.46 x 0.25	1.35	1.15	.86
101565CK	RS023	3	4	1.16 x 0.25	1.95	1.59	1.25
101557CK	RS024	4	3	0.46 x 0.25	1.09	.93	.69

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101573CK

Alcoswitch

MRC Series

- Contact rating: 500mA @ 125 VAC or 28 VDC resistive
- Insulation resistance: 100MΩ min. • Operating temp.: -20°C to +80°C
- Dielectric strength: 1000 V_{RMS} @ sea level

MRJ Series

- Contact rating: 0.4 VA max. @ 20 VDC or peak AC
- Insulation resistance: 10,000MΩ min. • Operating temp.: -20°C to +70°C
- Dielectric strength: 1000 V_{RMS} @ sea level

6000 Series

- Current/voltage rating: Signal application only
- Insulation resistance: 1000MΩ • Operating temp.: -18°C to +88°C
- Dielectric breakdown voltage: 500VDC min.
- Compact design, small diameter, low profile switches are ideal for pc board mounting

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See Our Alcoswitch Rotary Switch Offering at www.Jameco.com/Prod/AlcoRotary



MRC Series



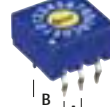
6000 Series

Excell Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction • Terminals: PC pin leads
- Life: 10,000 cycles min. • Op force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC
- Material: 94V-0 grade, UL approved fire retardant plastic
- Lead spacing: A = 0.1"; B = 0.3"



139635CK



139651CK

Part No.	Cross Ref. No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50	100
139635CK	ERD110RS(DRD10)	10	top	BCD	.39 x .39 x .20	\$2.59	\$2.33	\$2.07	\$1.86
139651CK	ERD116RS	16	top	Hex	.39 x .20 x .39	2.75	2.49	2.22	1.99

Electromech

Rotary Switches

C5 Series 0.92" Dia.

- Current/voltage rating: 1.0A @ 28VDC • Current carrying capacity: 5A
- Contact resistance: initial 20mΩ

D2 Series 1" Dia.

- Current/voltage rating: 0.55A @ 28VDC
- Current carrying capacity: 7A • Contact resistance: initial 5mΩ

D3 Series 1 5/16" Dia. & D4 Series 1.437" Dia.

- Current/voltage rating: 1.5A @ 28VDC
- Current carrying capacity: 9A • Contact resistance: initial 3.5mΩ

D7 Series 1 7/8" Dia.

- Current/voltage rating: 2.25A @ 28VDC
- Current carrying capacity: 9A • Contact resistance: initial 3.5mΩ

D8 Series 2 5/16" Dia.

- Current/voltage rating: 2.25A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 5mΩ

D9 Series 2 5/16" Dia.

- Current/voltage rating: 1.5A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 5mΩ

E2 Series Lever Action

- Current/voltage rating: 1.5A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 3.5mΩ

E4 Series 2 13/16" Dia.

- Current/voltage rating: 11.0A @ 28VDC • Current carrying capacity: 17A • Contact resistance: initial 7mΩ

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See Our ElectroSwitch Rotary Switch Offering at www.Jameco.com/Prod/ElectroRotary



C5 Series



D7 Series



Rotary Switches

A Series 1-4 Pole

- Multi-pole and multi-position
- Positive detent
- Contact rating: -2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level

M Series 1/2 Inch

- Stainless steel actuator
- Multi-pole and multi-position
- Contact rating: 250mA @ 125VAC/28VDC
- Insulation resistance: 10000MΩ min.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 600V_{RMS} @ sea level

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See Our Complete C&K Rotary Switch Offering at www.Jameco.com/Prod/CKRotary



A Series



M Series



Rotary Switches

- 0.3A, 3A, 5A or 6A @ 125VAC
- 1.5A, 2.5A or 3A @ 250VAC
- Terminal type: wire leads, solder eyelet or non-shorting

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See Our GC Rotary Switch Offering at www.Jameco.com/Prod/GCRotary



Rotary DIP Switches

- Fully sealed construction
- Rotor and switch body: plastic (UL94V-0)
- Contact and terminal material: copper alloy plated
- Make and break current rating: 30mA @ 30VDC for 10,000 cycles

215992CK:

- Code type: HEX • 16-position
- 0.1" x 0.3" pin spacing (standard through hole)
- Size: 0.39"W x 0.39"D x 0.20"H
- Top adjustment

216004CK:

- Code type: BCD • 10-position
- 0.1" pin spacing (right angle through hole)
- Size: 0.43"W x 0.28"D x 0.40"H
- Side adjustment

645669CK:

- Code type: octal
- 8-position • 0.270" actuator type

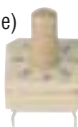
Part No.	Product No.	1	10	100	1000
215992CK	HAB16	\$1.95	\$1.75	\$1.59	\$1.45
216004CK	HAB10R	1.75	1.59	1.45	1.29
645669CK	HBB08	2.25	2.05	1.89	1.69



215992CK



216004CK



645669CK



DIP Switches

- 2A @ 5VDC or 25mA @ 25VDC
- No. of positions: 1 to 12

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC DIP Switch Offering at www.Jameco.com/Prod/GCDIP



Alcoswitch

Vertical SIP Switches

SSV Series

- Contact rating: 0.4VA @ 20VDC max.
- Insulation resistance: 100MΩ min. @ 100VDC
- High pressure wiping contacts allow aqueous or solvent cleaning
- Operating temp.: -30°C to +85°C
- End-to-end stackable in .100" center
- Dielectric strength: 500VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch SIP Switch Offering at www.Jameco.com/Prod/AlcoSIP

Alcoswitch

DIP Switches

AD Series

- Contact rating: 0.4VA @ 20VDC max.
- Insulation resistance: 1,000MΩ min. @ 100VDC
- Auto-insertable and surface mountable
- Unique design can withstand vapor phase reflow or wave soldering conditions
- Dielectric strength: 500VAC
- Operating temp.: -30°C to +85°C

GD Series

- Contact rating: 0.4VA 25ma @ 24VDC
- Insulation resistance: 100 Megohms min. @ 250VDC
- Dielectric strength: 300VAC
- Heat deflection temperature of 260°C for surface mount compatibility
- Operating temp.: -30°C to +85°C

DRD Series Sealed Rotary

- Contact rating: 0.4VA max. @ 20VDC max.
- Insulation resistance: 1,000MΩ min. @ 100VDC
- Withstands the stringent 60°C, one minute immersion 'Bubble' Test
- Operating temp.: -30°C to +85°C
- Dielectric strength: 300VAC RMS @ sea level

7000 Series

- Available in standard single pole, single throw; side actuated, single pole, single throw & multiple series
- Current/voltage rating: Non-switching-1.0A max. @ 50VDC
- Dielectric withstanding voltage: 500VDC min.

7100 Series SPST Rocker Style Actuator

- Current/voltage rating: Non-switching-1.0A max. @ 40VDC
- Dielectric withstanding voltage: 500VDC min.

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See Our Alcoswitch DIP Switch Offering at www.Jameco.com/Prod/AlcoDIP



DIP Switches

- Insulation resistance: 1000MΩ @ 100VDC min.
- Operating temp.: -40°C to +85°C

76 Series SPST Rocker Through Hole

- Carrying current rating: 5A
- Dielectric strength: 500V_{RMS}
- Sealed base standard
- Spring & ball contact

76 & 78 Series SPDT Through Hole

- Carrying current rating: 4A or 5A
- Dielectric strength: 500V_{RMS}
- Raised and recessed rocker and toggle actuated styles
- Spring and ball contact

78 Series SPST to 4PST Slide Through Hole

- Carrying current rating: 4A
- Dielectric strength: 500V_{RMS}
- Raised & recessed slides
- Spring & ball contact
- Sealed base standard

90B Series Machine Insertable Through Hole

- Carrying current rating: 3A
- High pressure, reliable contacts
- Dielectric strength: 500V_{RMS}

90HB Series SPST, Low Profile SMT

- Carrying current rating: 3A
- Top seal withstands high pressure aqueous cleaning
- Dielectric strength: 500V_{RMS}
- Reliable spring and ball contact

94H Series Rotary

- Carrying current rating: 100mA @ 50VDC
- Sealed construction; no tape seal required
- Dielectric strength: 250V_{RMS}

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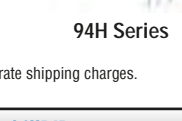
See Our Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP



Tri-State DIP Switch

- Switch contacts: bused, tri-state
- Labeled tri-state positions (+, 0, -)
- Compatible socket, use P/N 37372CK, pg 134
- 8 positions
- Contact rating: 24VDC @ 25mA
- Two isolated buses
- Pre-tinned leads

Part No.	Cross Ref. No.	1	10	50	100
138991CK	ETA108E	\$1.95	\$1.75	\$1.55	\$1.35



DIP Switches



206359CK



139002CK



139011CK

- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing
- Pre-tinned leads



38842CK



38800CK

Compatible Socket Chart, see page 134 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109058CK	112192CK	38827CK	37161CK	101857CK	38113CK
38819CK	51570CK	38842CK	37372CK	38798CK	38607CK
139003CK	51570CK	139011CK	37372CK	38800CK	39378CK
109057CK	112192CK	139002CK	51570CK	38834CK	37161CK
38818CK	51570CK	38826CK	37161CK	101856CK	38113CK
206359CK	51570CK	454547CK	—	38797CK	38607CK

Part No.	Cross Ref. No.	Pos.	Pricing			
			1	10	100	1000
109058CK	206-2	2	\$.75	\$.68	\$.61	\$.55
38819CK	206-4	4	.65	.55	.49	.45
139003CK	206-4LP	4	.79	.70	.55	.44
38827CK	206-6	6	.99	.89	.79	.72
38842CK	206-8	8	.89	.80	.72	.64
139011CK	206-8LP	8	.85	.76	.61	.47
101857CK	206-9	9	.85	.79	.69	.59
38798CK	206-10	10	.95	.86	.68	.59
38800CK	206-12	12	1.05	.99	.93	.62

Other Manufacturers — Great Deals

109057CK	206-2*	2	\$.69	\$.61	\$.56	\$.51
206359CK	206-3*	3	.79	.65	.55	.413
38818CK	206-4	4	.48	.44	.40	.36
139002CK	206-4LP*	4	.73	.64	.51	.41
38826CK	206-6*	6	.91	.82	.73	.66
454547CK	DMR06T†	6	.89	.80	.71	.58
38834CK	206-7*	7	.95	.86	.77	.62
101856CK	206-9*	9	.78	.73	.61	.46
38797CK	206-10*	10	.87	.79	.71	.59

* Manufacturer may vary † SMT



16-Button Numeric Keypad

- 4 x 4 matrix keypad
- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H



Part No.	Description	1	10	100
169244CK	Numeric keypad	\$7.95	\$6.95	\$6.25



Modular Keypad Switches

Series 82

- Unlighted for legend inserts
- Rating: 100mA @ 5VDC
- Contact resistance: 25mΩ or less
- Insulation resistance: 1000MΩ min.



Part No.	Description	1	10	25	100
472948CK	SPST 1 button	\$4.09	\$3.66	\$3.02	\$2.93
472956CK	4PST 4 button	\$5.45	\$4.85	\$4.03	\$3.86

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DIP Switches



BD Series



BPA Series



CD Series



CRD Series



SD Series



RTE Series



SDA Series



TDA Series

BD Series Standard Profile

- Traditional full profile DIP switch
- Insulation resistance: 1000M Ω min.
- Dielectric strength: 500V_{RMS} @ sea level

- Contact rating: 100mA @ 50VDC
- Operating temp.: -40°C to +85°C

BPA Series Side Actuated

- Side actuated contacts
- Dielectric strength: 300VAC for 1 min.
- Insulation resistance: 100VDC 100M Ω min.

- Contact rating: 100mA @ 50VDC
- Operating temp.: -20°C to +85°C

CD Series 8mm Coded Rotary

- Crisp, positive detent ensures actuation
- Insulation resistance: 1000M Ω min. @ 250VDC
- Dielectric strength: 250V_{RMS} @ sea level

- Contact rating: 0.4VAC, DC 20V max.
- Operating temp.: -25°C to +85°C

CRD Series 10mm Coded Rotary

- Crisp, positive detent ensures actuation
- Insulation resistance: 1000M Ω min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.

- Contact rating: 0.4VAC, DC 20V max.
- Operating temp.: -20°C to +85°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

SD Series Low Profile

- Sealed with top tape
- Insulation resistance: 10M Ω or 1000M Ω min.
- Dielectric strength: 500V_{RMS} @ sea level

- Contact rating: 100mA @ 50VDC
- Operating temp.: -20°C to +85°C

RTE Series Low Profile Rotary

- Process-sealed, withstands soldering/cleaning
- Insulation resistance: 1000M Ω min.
- Dielectric strength: 500V_{RMS} or 300V_{RMS}

- Contact rating: 100mA @ 50VDC
- Operating temp.: -25°C to +85°C

SDA Series Low Profile

- Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
- Insulation resistance: 1000M Ω min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.

- Operating temp.: -20°C to +85°C

TDA Series Low Profile

- Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
- Insulation resistance: 1000M Ω min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.

- Operating temp.: -20°C to +85°C

See Our Complete C&K DIP Switch Offering at www.Jameco.com/Prod/CKDIP



Key Switches

D6 Series SPST Momentary

- Switching power: 6VA max.
- Operating temp.: -20°C to +85°C
- Contact resistance: \leq 100 m Ω

- Easy X, Y coding on single sided PCB
- Dielectric strength: 1000V for 1 minute @50Hz
- Insulation resistance: \geq 100000M Ω



D6 Series

K6 Series Miniature

- Designed for low-level switching
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 m Ω
- Dielectric strength: \geq 300V @ 50Hz

- Switching power: 0.02mW/3W DC
- Operating temp.: -40°C to +85°C
- Insulation resistance: \geq 10000M Ω



K6 Series

K12 Series High Performance

- High reliability / long life
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 m Ω
- Dielectric strength: \geq 500V @ 50Hz

- Switching power: 0.02mW/3W DC
- Operating temp.: -40°C to +85°C
- Insulation resistance: \geq 10000M Ω

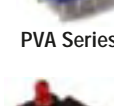


K12 Series

KS Series SPST Momentary

- Operating temp.: -30°C to +65°C
- Contact resistance: $<$ 100 m Ω initial @ 2-4 V DC, 100 mA
- Insulation resistance: \geq 10000M Ω

- Contact rating: 25mA @ 50V AC/DC max.
- Dielectric strength: 1000V_{RMS} @ sea level



KS Series

PVA Series Short Stroke

- Switching voltage: 50VDC
- Contact resistance: initial \leq 100 m Ω
- Dielectric strength: 1000V or 750V @ 50Hz

- Operating temp.: -40°C to +85°C
- Insulation resistance: \geq 10000M Ω
- Switching power: 3W DC

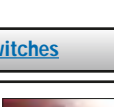


PVA Series

Digitast Series Microminiature SPDT

- Switching power: 240mW DC
- Switching voltage: 24VDC
- Contact resistance: initial \leq 50 m Ω

- Dielectric strength: 500V @ 50Hz
- Operating temp.: -25°C to +85°C
- Insulation resistance: \geq 10000M Ω



Digitast

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See Our Complete C&K Key Switch Offering at www.Jameco.com/Prod/CKKeySwitches



Keyboard Switches

ML Series Notebook Profile .27"

- Normally open contact
- Current: 10mA AC/DC max, 100 μ A DC min.
- Insulation resistance: 100M Ω @ 100VDC

- Voltage: 12VAC/DC max, 2VDC min.
- Life: $>$ 20 million operations

MX Series Desktop Profile .60"

- PCB or frame mount
- Current: 10mA AC/DC max, 10 μ A DC min.
- Insulation resistance: 100M Ω @ 100VDC

- Voltage: 12VAC/DC max, 2VDC min.
- Life: $>$ 20 million operations

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Keyboard Switch Offering at www.Jameco.com/Prod/CherryKbdSwitches



ML Series



MX Series



12-Button Telephone Keypads

- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200 Ω max.
- White plastic tactile type keypad
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H



153488CK

Part No.	Description	1	10	100
190561CK	Numeric keypad	\$8.75	\$7.45	\$5.59
153488CK	Alpha numeric keypad	9.49	8.55	7.69



16-Button Keypad Switch

- $\frac{1}{2}$ " button centers
- Flange mounted
- Top surface or sub-surface mounting
- Snap-dome contact provides positive feedback
- 4" x 4" grid
- Rating @ 24VDC: 10mA resistive
- Contact resistance: 10 Ω maximum (compatible with MOS, TTL, and DTL)
- Voltage breakdown: 250VAC
- Life expectancy: 3,000,000 operations per button



Part No.	Product No.	1	10	100
302025CK	86B2-006	\$18.55	\$16.79	\$16.15

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10 Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Recommended connector: P/N 103190CK header and P/N 100765CK pin, pg 136
- Size (housing): 4.7"W x 1.7"H x 0.4"T



196171CK



152063CK

Part No.	Description	1	10	100
196171CK	2x8 matrix keypad	\$16.95	\$15.29	\$13.75
152063CK	4x4 matrix keypad	14.95	13.49	11.95
103190CK	Header housing (10-pin)	.42	.39	.36
100765CK	Header pin (10 per pack)	*	.14	.11



Potter & Brumfield General Purpose Relays



- UL/CSA approved
- Industry standard termination for quick installation
- Contact arrangements from SPDT to 4PDT
- Wide range of coil voltages for industrial and commercial applications



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Part No.	Product No.	Tyco No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket*		Pricing			
									Standard	DIN Rail	1	10	25	50
282247CK	K10P-11A15-120	4-1393144-0	1	DPDT	15A@30VDC; 15A@120VAC	120VAC	3,900	11	27E488/489	27E895	\$6.99	\$6.49	\$6.09	\$5.42
282255CK	K10P-11D15-12	5-1393144-5	1	DPDT	15A@30VDC; 15A@120VAC	12VDC	160	75	27E488/489	27E895	7.25	6.90	6.54	5.90
282263CK	K10P-11D15-24	5-1393144-7	1	DPDT	15A@30VDC; 15A@120VAC	24VDC	650	37	27E488/489	27E895	7.29	6.55	6.35	5.78
282280CK	KHAU-17A11-24	2-1393122-1	2	4PDT	3A@120VAC/28VDC (max)	24VAC	160	52	27E166	27E894	5.45	5.29	5.17	4.77
282271CK	KHAU-17A11-120	2-1393122-0	2	4PDT	3A@120VAC/28VDC (max)	120VAC	3,900	11	27E166	27E894	7.15	6.99	6.49	6.35
282301CK	KHAU-17D11-12	4-1393122-3	2	4PDT	3A@120VAC/28VDC (max)	12VDC	160	100	27E166	27E894	5.69	5.52	5.352	5.077
282319CK	KHAU-17D12-24	5-1393122-7	2	4PDT	5A@120VAC/28VDC (max)	24VDC	650	52	27E166	27E894	6.15	5.925	5.699	5.259
300943CK	KRPA-5AG-24	9-1393104-9	3	SPDT	10A@240VAC	24VAC	85	84	27E122	27E891	26.35	24.92	23.40	22.01
282431CK	KRPA-5AG-120	9-1393104-8	3	SPDT ^G	10A@240VAC	120VAC	2,250	17.5	27E122	27E891	16.45	15.84	15.23	14.06
300951CK	KRPA-5AY-120	1393105-1	3	SPDT ^Y	5A@120VAC; 3A@240VAC	120VAC	2,250	17.5	27E122	27E891	24.55	23.26	21.84	20.06
300960CK	KRPA-5DG-12	1393105-3	3	SPDT	10A@240VAC	12VDC	120	100	27E122	27E891	18.15	17.99	17.83	17.35
282440CK	KRPA-5DG-24	1393105-4	3	SPDT	10A@240VAC	24VDC	472	51	27E122	27E891	17.65	16.52	15.42	13.95
300986CK	KRPA-11AG-6	2-1393104-8	3	DPDT	10A@240VAC	6VAC	6	335	27E122	27E891	16.19	15.72	15.25	14.08
282335CK	KRPA-11AG-12	2-1393104-4	3	DPDT ^G	10A@240VAC	12VAC	24	168	27E122	27E891	12.55	11.54	10.99	9.95
282351CK	KRPA-11AG-24	1-1393105-2	3	DPDT ^G	10A@240VAC	24VAC	85	84	27E122	27E891	10.79	10.37	9.87	9.10
282343CK	KRPA-11AG-120	2-1393104-5	3	DPDT ^G	10A@240VAC	120VAC	2,250	17.5	27E122	27E891	10.05	9.82	9.55	8.79
300994CK	KRPA-11AG-240	2-1393104-7	3	DPDT ^G	10A@240VAC	240VAC	9,110	8.75	27E122	27E891	17.95	17.42	16.88	15.58
301006CK	KRPA-11AN-12	3-1393104-1	3	DPDT ^N	10A@240VAC	12VAC	24	168	27E122	27E891	15.15	14.72	14.29	13.20
301014CK	KRPA-11AN-24	3-1393104-3	3	DPDT ^N	10A@240VAC	24VAC	85	84	27E122	27E891	17.25	16.50	15.77	14.57
282360CK	KRPA-11AN-120	3-1393104-2	3	DPDT ^N	10A@240VAC	120VAC	2,250	17.5	27E122	27E891	10.89	10.53	10.16	9.35
301031CK	KRPA-11AY-24	3-1393104-7	3	DPDT ^Y	5A@120VAC; 3A@240VAC	24VAC	85	84	27E122	27E891	15.69	15.24	14.79	13.65
301049CK	KRPA-11AY-120	3-1393104-6	3	DPDT ^Y	5A@120VAC; 3A@240VAC	120VAC	2,250	17.5	27E122	27E891	11.55	11.05	10.56	10.25
301057CK	KRPA-11DG-6	4-1393104-7	3	DPDT	10A@240VAC	6VDC	22	188	27E122	27E891	13.09	12.90	12.70	12.36
282378CK	KRPA-11DG-12	4-1393104-3	3	DPDT ^G	10A@240VAC	12VDC	120	100	27E122	27E891	10.75	10.31	9.87	9.10
282386CK	KRPA-11DG-24	4-1393104-5	3	DPDT ^G	10A@240VAC	24VDC	472	51	27E122	27E891	12.25	11.65	11.30	10.51
301065CK	KRPA-11DG-48	4-1393104-6	3	DPDT	10A@240VAC	48VDC	1,800	26.6	27E122	27E891	16.35	15.79	15.24	14.06
301073CK	KRPA-11DG-110	4-1393104-2	3	DPDT ^G	10A@240VAC	110VDC	10,000	11.5	27E122	27E891	13.05	12.47	11.88	10.89
301081CK	KRPA-11DG-125	4-1393104-4	3	DPDT	10A@240VAC	125VDC	10,000	11.5	27E122	27E891	16.95	16.40	15.84	14.61
301090CK	KRPA-11DN-12	5-1393104-0	3	DPDT ^N	10A@240VAC	12VDC	120	100	27E122	27E891	15.75	15.58	14.62	12.99
282394CK	KRPA-11DN-24	5-1393104-1	3	DPDT ^N	10A@240VAC	24VDC	472	51	27E122	27E891	11.15	10.68	10.21	9.42
301102CK	KRPA-11DN-110	4-1393104-9	3	DPDT ^N	10A@240VAC	110VDC	10,000	11.5	27E122	27E891	17.65	17.18	16.71	14.85
301111CK	KRPA-11DY-24	5-1393104-7	3	DPDT ^Y	5A@120VAC; 3A@240VAC	24VDC	472	51	27E122	27E891	12.55	11.77	10.99	9.95
301145CK	KRPA-14AN-24	7-1393104-4	3	3PDT ^N	5A@120VAC; 3A@240VAC	24VAC	85	84	27E123	27E892	14.89	14.69	14.48	14.09
282415CK	KRPA-14AN-120	7-1393104-3	3	3PDT ^N	10A@240VAC	120VAC	2,250	17.5	27E123	27E892	13.45	12.88	12.30	11.37
301153CK	KRPA-14AN-240	7-1393104-5	3	3PDT ^N	10A@240VAC	240VAC	9,110	8.75	27E123	27E892	21.85	20.68	19.42	18.27
301129CK	KRPA-14AG-24	6-1393104-7	3	3PDT ^G	10A@240VAC	24VAC	85	84	27E123	27E892	11.09	10.64	10.17	9.75
282407CK	KRPA-14AG-120	6-1393104-5	3	3PDT ^G	10A@240VAC	120VAC	2,250	17.5	27E123	27E892	11.79	11.20	10.82	9.98
301137CK	KRPA-14AG-240	6-1393104-8	3	3PDT ^G	10A@240VAC	240VAC	9,110	8.75	27E123	27E892	19.35	18.84	18.33	17.72
301161CK	KRPA-14AY-24	7-1393104-8	3	3PDT ^Y	5A@120VAC; 3A@240VAC	24VAC	85	84	27E123	27E892	18.25	17.84	16.75	15.76
301170CK	KRPA-14AY-120	7-1393104-7	3	3PDT ^Y	5A@120VAC; 3A@240VAC	120VAC	2,250	8.75	27E123	27E892	18.25	17.49	16.72	15.43
301188CK	KRPA-14DG-12	8-1393104-2	3	3PDT	10A@240VAC	12VDC	120	100	27E123	27E892	13.95	13.55	13.16	12.21
282423CK	KRPA-14DG-24	8-1393104-4	3	3PDT ^G	10A@240VAC	24VDC	472	51	27E123	27E892	12.05	11.57	11.08	10.22
301196CK	KRPA-14DG-48	8-1393104-5	3	3PDT	10A@240VAC	48VDC	1,800	26.6	27E123	27E892	20.35	19.26	18.09	17.01
301209CK	KRPA-14DG-110	8-1393104-1	3	3PDT	10A@240VAC	110VDC	10,000	11.5	27E123	27E892	15.89	14.39	13.89	12.56
301217CK	KRPA-14DN-24	9-1393104-0	3	3PDT ^N	10A@240VAC	24VDC	472	51	27E123	27E892	12.49	11.97	11.44	10.55
282458CK	KUHP-11A51-120	6-1393114-9	4	DPDT	20A@120/240VAC	120VAC	1,700	24	—	—	11.09	10.89	10.85	10.75
282466CK	KUL-11A15S-120	2-1393115-6	5	DPDT	10A@28VDC or 240VAC	120VAC	3,700	30	27E121	27E893	34.05	31.24	29.81	26.97
282474CK	KUP-14A15-120	7-1393117-8	6	3PDT ¹	10A@28VDC or 240VAC	120VAC	1,700	24	27E121	27E893	10.49	10.19	9.89	9.20
282482CK	KUP-14A35-120	8-1393117-7	6	3PDT ²	10A@28VDC or 240VAC	120VAC	1,700	24	27E121	27E893	12.49	11.87	11.24	10.06
282503CK	KUP-14D15-24	1-1393118-4	6	3PDT	10A@28VDC or 240VAC	24VDC	472	51	27E121	27E893	11.45	10.72	9.99	9.07
282491CK	KUP-14D15-110	1-1393118-2	6	3PDT	500mA@28VDC or 155VAC(min)	110VDC	10,000	11	27E121	27E893	11.89	11.15	10.41	9.42
282538CK	R10-E1X4-V185	1-1393766-4	7	4PDT	5A@28VDC or 155VAC (max)	12VDC	185	60	27E163	27E461	14.89	14.37	13.84	12.93

* For sockets see page 176 Y = Silver contacts, no indicator lamp G = Silver-cadmium oxide, no lamp N = Silver-cadmium oxide with lamp 1 = Plain case 2 = with indicator lamp

⊕ Blue Part No. = Limited Quantity Available

To Find Additional P&B General Purpose Relays, Visit Our Website at www.Jameco.com/Prod/PBGP



Relay Sockets



282132CK



282183CK



282124CK



282191CK

Relay Sockets for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132CK	27E122	DPDT	8	Standard	\$3.95	\$3.80	\$3.66	\$3.26
282159CK	27E891	DPDT	8	DIN Rail	4.55	4.33	4.16	3.83
282141CK	27E123	3PDT	11	Standard	4.75	4.40	4.05	3.60
282167CK	27E892	3PDT	11	DIN Rail	7.89	7.33	6.77	6.02

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183CK	27E894	4PDT	14	DIN Rail	\$6.75	\$6.48	\$6.20	\$5.51

Relay Sockets for KUP Series (11-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282124CK	27E121	3PDT	11	Standard	\$6.99	\$6.49	\$5.99	\$5.32
282175CK	27E893	3PDT	11	DIN Rail	7.89	7.50	7.27	6.54

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191CK	27E895	DPDT	8	DIN Rail	\$5.59	\$5.19	\$4.79	\$4.42

To Find Additional P&B Sockets, Visit Our Website at www.Jameco.com/Prod/PBRelaySockets

DIN Rail Mount Socket and Track Mounting System

For use with KHAU, KUP, and K10 series DIN relay sockets

282204CK: End clip insulator for preventing sockets from moving sideways or sliding off track

282108CK: Steel mounting clip with #6-32 screw (7/16")



282204CK



282108CK



282116CK

Part No.	Product No.	Description	1	10	25	50
282204CK	40G432	Mounting plastic insulator	\$0.62	\$0.61	\$0.60	\$0.58
282108CK	24A071	Steel mounting clip	.52	.48	.46	.45
282116CK	24A110	36" mounting track	10.15	9.59	9.03	8.28

To Find Additional P&B DIN Rail Products, Visit Our Website at www.Jameco.com/Prod/PBDIN

S89R Series Bistable, Impulse Relay

- Contact rating: 15A
- Nominal power: 9W @ 25°C
- Contact life: 10 million operations; 50,000 mechanical operations
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Dust cover with octal plug-in base
- Current: 75mA



Part No.	Product No.	Voltage	Resistance	1	10	25	50
282546CK	S89R11APP1-120	120VAC	260Ω	\$57.65	\$56.05	\$54.22	\$38.97

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBImpulse

ODC Series Input/Output Module Relay

- Switch form: SPST-NO
- Resistance: 250Ω
- Isolation: 4,000Vrms, 60Hz
- Capacitance: 8pF typical (input to output)



Part No.	Product No.	Voltage	1	10	25	50
282511CK	ODC-5	5VDC/3-60VDC	\$9.15	\$9.00	\$8.85	\$7.65

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBModules



I/O Modules

70/70M Series DC Output Modules

- Transient protection: meets the requirements of IEEE 472, "Surge Withstanding Capability Test"
- SPST, normally open
- Isolation voltage: 4000Vrms



Also available Dry Contact Output Modules and DC Input Modules

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Grayhill I/O Modules Offering at www.Jameco.com/Prod/GrayhillIOModules



W58 Series Thermal Circuit Breakers

- Max. operating voltage: 50VDC; 250VAC 50/60Hz
- Interrupt capacity: 2,000A @ 50VDC; 1,000A @ 250VAC 50/60Hz
- Endurance cycling: >1,000 operations @ 200% of rating
- Dielectric strength: >1,500Vrms
- Push button to reset breaker



282597CK

Part No.	Product No.	Amp	Resistance	1	25	50	100
282562CK	W58-XB1A4A-10	10	0.014	\$3.39	\$3.19	\$2.99	\$2.79
282571CK	W58-XB1A4A-15	15	0.010	3.39	3.19	2.99	2.79
282589CK	W58-XB1A4A-20	20	0.006	3.39	3.19	2.99	2.79
282597CK	W58-XB1A4A-30	30	—	3.39	3.19	2.99	2.79

To Find Additional P&B Breakers, Visit Our Website at www.Jameco.com/Prod/PBBreakers



Thermal Circuit Breakers

W23/W33 Series Toggle or Push/Pull Actuator

- 0.5 to 50 amp ratings may be used as on/off switch
- Cannot be reset against overload
- Max. operating voltage: 50VDC or 250VAC to 400Hz
- Dielectric strength: over 1500Vrms



W33 Series

W28 Series Switchable or Push to Reset

- Rocker on switchable model moves to "overload" position upon trip
- Approved to many international standards (push to reset type)
- Max. operating voltage: 32VDC, 250VAC to 50/60Hz
- Dielectric strength: over 1500Vrms
- Fuseholder type



W28 Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers



Universal Circuit Breakers

Function identically as OEM breakers but offer the versatility of snap off terminals for greater flexibility. SAE Type II modified reset used primarily as a wiring harness protector in 12 volt DC automotive systems. Conforms to SAE J553C standard. For mounting in ATO style fuse blocks and panels.



Part No.	Product No.	Amp Rating	1	10	25	50
638194CK	UCB15BP	15	\$5.99	\$5.69	\$5.39	\$5.09
638207CK	UCB20BP	20	5.99	5.69	5.39	5.09
638215CK	UCB30BP	30	5.99	5.69	5.39	5.09

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Littelfuse Breakers, Visit Our Website at www.Jameco.com/Prod/Littelfuse



CNS Series Multifunction Time Delay Relays

- DPDT
- Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms, 60Hz between all other conductors

282212CK



Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Timing Functions	Pins	1	10	25	50
282212CK	CNS-35-92	24-240VAC/VDC	4	8	\$67.89	\$62.23	\$56.57	\$53.34
282221CK	CNS-35-96	24-240VAC/VDC	8	11	79.05	75.46	71.87	69.76

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBTimeDelay



CNT Series Multifunction, Digital Time Delay Relay/Counter

- Digital adjustment via thumbwheel switches
- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second
- Rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operations min. at rated load
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms between all other contacts
- 11-pin octal style plug
- DPDT



Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 24VAC/VDC

Part No.	Product No.	Voltage	1	10	25	50
282239CK	CNT-35-96	24-240VAC/VDC	\$92.25	\$89.97	\$87.17	\$84.94

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBTimeDelay



Circuit Breakers

- Amp rating: 3 to 30
- Terminal style: quick connect
- Standard rating:
3-20A @ 125/250VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete GC Circuit Breaker Offering at
www.Jameco.com/Prod/GCBreaker



Solid State Relays

CS Series Hybrid Voltage Sensor

- Internal 2 Form C (DPDT) output relay
- Power requirement: Typically less than 3VA or 3W
- Internal relay contact rating: 10A @ 28VDC, res., or 120VAC, 80% power factor



CS Series

SSR Series Paired SCR Output & SSRT Series Snubberless Triac Output

- "Hockey Puck" • 4000V rms isolation
- Control voltage range: AC input/output: 90-280VAC; DC Input/AC Output: 3-32VDC
- LED indicator

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Solid State Relays Offering at
www.Jameco.com/Prod/PBSolidState



Power PC Board Relays



T9A Series



T90 Series



T92 Series

T9A Series DC Coil

- Up to 30 Amp switching in SPST & 20 Amp in SPDT arrangements • Voltage: 5 to 110VDC
- Nominal Coil Power: 1.0W or 900mW (approx.)
- Maximum Coil Power: 2.8W

T90 Series DC Coil

- Up to 30 Amp switching in SPST & 20 Amp in SPDT arrangements • Voltage: 5 to 110VDC
- Max. Coil Power: 2.8 Watt

T92 Series DC Coil

- 30A DPST-NO and DPDT switching capabilities
- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- Voltage: 12-110VDC & 12 to 277VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Power PC Relays Offering at
www.Jameco.com/Prod/PBPowerPCB

Relay Socket with Coil Diode

V/F4 Type

- 12 AWG: 2 black & 1 blue wire;
- 18 AWG: 1 black & 1 red wire
- Contact voltage/current: 12V/20A
- Use with P/N 148582CK, pg. 178
- Diode coil suppression • 7.5" wire



Part No.	Cross Ref. No.	1	10	50	100
170624CK	RSD03	\$2.35	\$2.15	\$1.89	\$1.55



Solid State PCB Relays



ASPF Series



CX241 Series



DPA Series



LS Series



MP Series



PF Series

ASO Series SCR or Triac Output

- 1.0-2.0 Amp • 120/240Vrms • DC control
- AC Switching • Mini-SIP

ASPF Series SCR Output

- 3.0 Amp • 240Vrms • DC control
- Integral heatsink • AC Switching • Mini-SIP

CMX Series MOSFET Output

- 3-10 Amp • 0-60, 0-100, 0-200VDC
- DC Switching • SIP mount
- DC control • Extra low on-state resistance

CX/CXE Series SCR Output

- 5 Amp • 240, 380, 480Vrms
- AC Switching • AC/DC control
- Ideal for replacing electromechanical relays

CX241 Series SCR Output

- 1.5 Amp • 12-240Vrms • DC control
- AC Switching • Low Profile SIP

D2W Series Triac Output

- AC Switching • 24-280Vrms • 2-3.5 Amp
- Built-in snubber • SIP packaged • DC control

DO/DMO Series Bi-Polar Transistor output

- FET output (DMO) • 1-3.0 Amp • 3-60VDC
- DC switching • DC control • Mini-SIP
- Low profile package

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Crydom PCB Solid State Relay Offering at www.Jameco.com/Prod/CrydomSSPCBS



Power Relays

KUHP Series

- AC coils 6-277VAC 50/60 Hz., DC 6-110VDC.
- Contact arrangement up to DPDT
- Voltage: 6-110VDC & 6-277VAC
- Nominal Power: DC Coils: 1.2W, AC Coils: 2.7VA



S87R Series Industrial

- Contact forms to 2 Form C
- Nominal Power: 2.9W for single pole DC, 4.5W for double pole DC, 4.0VA for AC



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Power Relays Offering at
www.Jameco.com/Prod/PBPower

OMRON G7L Series Power Relay

- Rating: 24VDC @ 79mA
- Contact rating: 20A-220VAC
- Coil resistance: 303Ω
- Contact resistance: 50mΩ max.
- 0.250" quick connect terminals
- Insulation resistance: 1,000MΩ min. (@500VDC)
- Dielectric withstanding voltage: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity • SPST-NO



Part No.	Product No.	1	10	50
454571CK	G7L-1A-TUB-CB-DC24 ...	\$9.95	\$8.95	\$8.05



PRD Series Heavy Duty Open Relay

- SPDT • Voltage: 120VAC
- Contact rating: 25A @ 277VAC
- Current: 85mA
- Nominal power: -9.8W @ 25°C
- Resistance: 290Ω
- Expected life: 100,000 operations at rated load
- Auxiliary snap action switch rating: 5A @ 120VAC, 60Hz
- Initial breakdown voltage: 2,000Vrms min. between all elements and ground



Part No.	Product No.	1	10	25
282520CK	PRD-5AY0-120	\$20.85	\$20.08	\$19.31

To Find Additional P&B Relays, Visit Our Website at
www.Jameco.com/Prod/PBOpen



Reed Relays

MSS2 Series DIP 14

- Switching voltage: 500 max.
- Switching current: 2A max.
- Contact rating: 50W

HGJ2M/HGJ2MT Series

- Switching voltage: 500 max.
- Switching current: 2A max.
- Contact rating: 100W



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete SRC Reed Relay Offering at
www.Jameco.com/Prod/SRCReed

crydom® Power Modules



- B-2T/B-2 Series SCR/Diode Module**
- 25-42.5 Amp
 - For AC/DC voltage to 15kW
- F18 Series SCR/Diode Module**
- 25-105 Amp
 - Power control building blocks
- L3/L5/L6 Series SCR/Diode Module**
- 15-42.5 Amp
 - Low profile
- M50 Series SCR/Diode Module**
- 50-100 Amp
 - Over 40kW output capability
- M50 Diode Series Diode Module**
- 60-100 Amp
 - High surge current rectifier circuits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Power Module Offering at
www.Jameco.com/Prod/CrydomPower

crydom® Auxiliary Modules



- PCV Series Phase Control Module**
- 120 & 240VAC models
 - 0-5VDC phase control
- LPCV Series Linear Proportional Load Controller**
- 0-5VDC, 0-10VDC, 4-20mA input control modules
 - Optically isolated
- PCV Series Analog Input Power Controller**
- SCR output
 - 15-90 Amp
 - 100-240Vrms
 - AC proportional output
 - 2-7VDC and 2-10VDC
- RPC Series Solid State Proportional Controller**
- SCR output
 - 15-40 Amp
 - 120/240/480Vrms
 - AC proportional output
 - 500k or 1MΩ potentiometer control

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Auxiliary Modules Offering at
www.Jameco.com/Prod/CrydomAux

crydom® I/O Modules

IAC Series DC Input Modules

- Nominal input voltage: 24VDC
- Min. Input Voltage: 10 or 3.3VDC
- Typical logic supply current: 10mA DC



IAC Series

OAC Series AC Output Modules

- Nominal input voltage: 5, 15 & 24VDC
- Min. input voltage: 3.0 to 16.5VDC
- Typical input current: 10mA DC



ODC Series

ODC Series DC Output Modules

- Nominal input voltage: 5, 15 & 24VDC
- Min. Input Voltage: 2.5 to 16.5VDC
- Typical input current: 10 or 11mA DC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Auxiliary Modules Offering at
www.Jameco.com/Prod/CrydomIOModules

crydom® Panel Mount Solid State Relays



- 1-DCL Series MOSFET Output**
- 7-40 Amp - 100/200/400/500VDC
 - DC switching
 - Optically coupled
- 53TP Series SCR Output**
- 25-50 Amp
 - 48-530Vrms
 - 3 Phase
 - Status indicator LED
 - AC/DC control
- A12/D24 Series SCR Output (Series 1)**
- 10-90 Amp
 - 120/240Vrms
 - AC Switching
 - AC/DC control
- A48/D48 Series SCR Output**
- 25-90 Amp
 - 80-530Vrms
 - AC Switching
 - AC/DC control
 - 800 Vpk reverse voltage capability

- CMD/CMA Series SCR Output**
- 25-125 Amp
 - 240/480/660Vrms
 - AC switching
 - LED status indicator
 - Finger-proof design
- CS Series SCR Output**
- 10-90 Amp
 - 120/240Vrms
 - AC Switching
 - Snubberless
 - DC controlled with 3.5-15VDC and 15-32VDC control options

- CW24/CW48 Series SCR Output**
- 10-125 Amp
 - AC/DC control
 - AC Switching
 - LED status indicator
 - Finger-proof cover
 - Improved thermal ratings & lower power dissipation
- D06 Series MOSFET Output**
- 60-100 Amp
 - 0-60VDC
 - DC switching
 - DC control
 - Ideal for high current applications

- D1D/D2D/D4D/D5D Series MOSFET Output**
- 7-40 Amp
 - 100/200/400/500VDC models
 - DC Switching
 - DC control
 - Easily paralleled for high current and high voltage application
- DC60 Series Bipolar Transistor Output**
- 60-100 Amp
 - 0-60VDC
 - DC switching
 - DC control
 - Ideal for high current applications

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See OurCrydom Panel Mount Solid State Relay Offering at www.Jameco.com/Prod/CrydomPanelSS

DUAL Series SCR Output

- 25-40 Amp
- 120/240/480Vrms
- AC Switching
- DC control
- Output 1/4" Fast-on terminals

EZ Series SCR Output

- 5-18 Amps
- 240/480Vrms
- AC Switching
- Compact design
- DC/AC control with 1/4" Fast-on terminals

H12/H12WD Series SCR Output

- 25-90 Amp
- AC Switching
- DC control only

HA/HD Series SCR Output

- 12-90 Amp
- 48-530Vrms
- AC Switching
- AC/DC control
- 1200 Vpk blocking voltage capability

HA60/HD60 Series SCR Output

- 25-125 Amp
- 48-660Vrms
- AC Switching
- AC/DC control
- Snubberless
- 1200 Vpk reverse voltage capability

NTA/NTD Series Triac Output

- 10-25 Amp
- 120/240VAC
- AC switching
- AC/DC controlled

PRG Series SCR Output

- 150 Amp
- 240/480Vrms
- AC Switching
- AC/DC control
- Snubberless
- Ideal for high in-rush current applications

Series 2 Triac Output

- 8 Amp
- 120/240VAC - AC Switching
- DC control
- Snubberless
- 3/16" Fast-on terminals

Series 3 SCR Output

- 3 Amp
- 120/240Vrms
- AC Switching
- DC control
- Ideal replacement for reed & electromechanical relays

Series T Triac Output

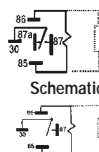
- 10-25 Amp
- 120/240Vrms - AC Switching
- AC/DC control

Heat Sinks also available for above relays

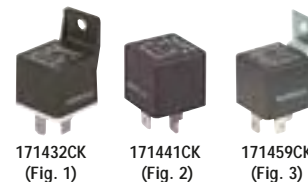
Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A
- Terminal type: quick connect
- Coil voltage: 12VDC except P/N 171521CK (5VDC)
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 2



Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Contact Voltage	Pins	Pricing			
									1	10	50	100
171459CK	LD1A-12F	VF4-81F11S01	3	SPST-NO	78	2	14VDC	4	\$1.89	\$1.75	\$1.55	\$1.29
171441CK	961A-1A12D	VF4-11F11	2	SPST-NO	90	2	14VDC	4	2.35	2.20	2.14	2.09
171521CK	LD5F	VF4-45D11	1	SPDT	14	1	5VDC	5	1.69	1.35	1.08	1.05
148582CK	LD12F	VF4-85F11	1	SPDT	78	1	12VDC	5	2.49	2.25	1.95	1.75
171432CK	961A-1C-12DM	VF4-81F11	1	SPDT	90	1	12VDC	5	2.99	2.69	2.25	1.65

Small High-Current PC Mount Relays

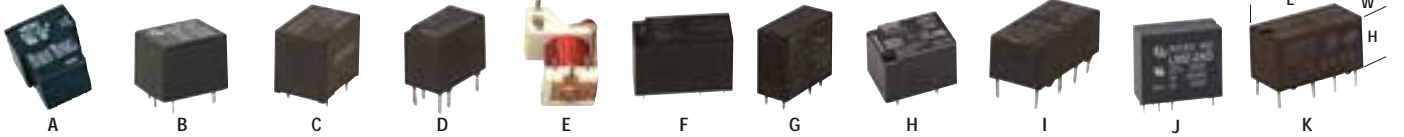
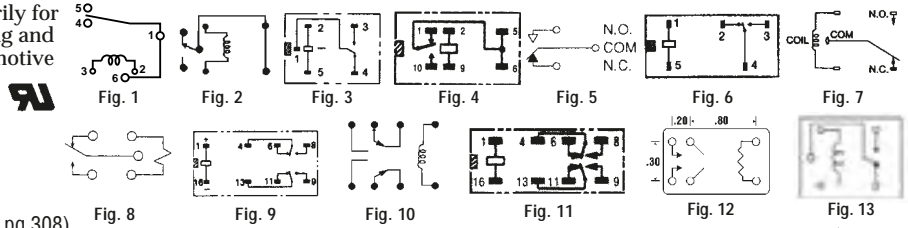
While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500Vrms (between contact and coil)

104926CK: Open frame relay

129349CK: Immersion cleanable, plastic sealed case

144186CK: For use with universal relay card (P/N 128910CK, pg 308)



Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
145752CK	L90A-12W	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	\$2.45	\$2.10	\$1.85	\$1.49
134949CK	L90-5W	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.49	2.15	1.93	1.65
174449CK	LU-5	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.79	1.66	1.55	1.49
187151CK	G5LE-1DC5	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.49	1.30	1.15	1.09
187240CK	G5V-1-DC5	Omron	—	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.05	1.79	1.59	1.50
104926CK	733SPDT12VDC	Song Chuan	T90N5D12-12	1E	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.85	1.69	1.49	1.27
129349CK	832-IC-S	Song Chuan	T90S5D12-12	1A	SPDT	12VDC	155	277VAC/28VDC	20A/10A	6	1.2 x 1.0 x .75	2.15	1.90	1.69	1.39
664309CK	JW1FSN-DC12V	Nais (Aromat)	—	5F	SPDT	12VDC	270	250VAC/30VDC	10	5	1.13 x .51 x .79	1.89	1.70	1.49	1.29
186669CK	G2R-14-DC12	Omron	—	6G	SPDT	12VDC	275	250VAC/30VDC	10A	5	1.2 x .51 x 1.0	2.99	2.85	2.69	2.67
172937CK	JS1-12V	Nais (Aromat)	T72M5D121-12	7H	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.09	.99	.89	.75
144186CK	JZC-22F	Velleman	VR15M121C	8B	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174431CK	LEG-12F	Rayex	T7CS5D12	8B	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.49	1.29	1.19	1.09
184461CK	G5V-1-DC12	Omron	—	4D	SPDT	12VDC	960	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.39	1.93	1.71	1.63
187282CK	G6A-234PSTUSDC5	Omron	—	9I	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	3.95	3.63	3.33	3.07
174377CK	LM2-12D	Rayex	RKA5DZ12	10J	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258CK	G5V-2-DC12	Omron	—	11K	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.49	2.28	2.02	1.82
200740CK	G5V-2-H1-24	Omron	—	11K	DPDT	24VDC	2800	125VAC/24VDC	.5A/1A	8	.81 x .40 x .45	2.29	2.06	1.85	1.65
215909CK	RKA-7DZ-12	P & B	—	12G	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39
454563CK	KLTI12DC9	Hasco	—	13B	SPDT	9VDC	225	120VAC/28VDC	12	5	0.73 x .59 x 0.61	2.29	1.95	1.69	1.39

*Manufacturer may vary

General Purpose Relays

LB2 Series

- Contact rating: 240VAC/30VDC @ 12A • DPDT
- Mechanical life: 10,000,000 operations • 8-pin
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172718CK	LB2-12DS	K10-11D15-12	12VDC	\$4.99	\$4.49	\$3.99	\$3.59
175564CK	LB2-24DS	K10-11D15-24	24VDC	\$5.99	5.49	4.93	4.49
175572CK	LB2-110AS	K10-11A15-120	110VAC	6.25	5.49	4.99	4.39

LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations • 4PDT
- Contact rating: 240VAC/30VDC @ 5A • 14-pin
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291506CK	LB4H-12DS	KHAU-17D12-12	12VDC	\$4.45	\$4.33	\$4.20	\$4.03
175601CK	LB4H-24DS	KHAU-17D12-24	24VDC	5.09	4.93	4.77	4.36
175610CK	LB4H-110AS	KHAU-17A12-120	110VAC	4.69	4.58	4.47	4.24

Relay Socket

- DIN rail snap socket for LB2 & LB4H relays

Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175530CK	PTF-08A-A	27E895	8	\$5.95	\$5.39	\$4.85
175556CK	PYF-14A-A	27E894	14	3.95	3.49	2.95

KHAU Type Relay

- Insulation resistance: 1,500MΩ @ 500VDC • 4PDT • 14-pin
- Life: (mechanical) 10,000,000 operations; (electrical) 100,000 operations min. at rated load • Contact rating: 220VAC/24VDC @ 5A

Part No.	Cross Ref. No.	P & B Cross Ref.	Coil Voltage	1	10	25	50
183011CK	GM4PDT12DF	KHAU-17D12-12	12VDC	\$7.59	\$6.99	\$6.64	\$5.51



Beta Electric General Purpose Relays

Pin Type Terminals

- DPDT • 8-pin octal style plug
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient operating temp.: -10°C to +50°C
- Size: 1.4"L x 1.4"W x 2.7"H

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766CK	BTA1-2C-12VDC	R02-11D10-12	12VDC	\$9.49	\$8.55	\$7.69
139740CK	BTA1-2C-120VAC	R02-11A10-120	120VAC	9.95	8.79	7.99

BTA1 Series Sockets (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145CK	PF-083A	8	2.0"L x 1.6"W x 0.8"H	\$3.99	\$3.65	\$2.99
141153CK	PF-113A	11	2.0"L x 1.7"W x 1.2"H	5.19	4.67	4.11

BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.

- Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A
- Ambient temperature operating: -30°C to +50°C
- Size: 1.5"L x 1.4"W x 2.2"H • 3PDT • 11-pin

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139854CK	BTA2-3C-24VDC	R10-14D10-24	24VDC	\$8.69	\$8.63	\$8.39

BTA2 Series Socket

Blue Part No. = Limited Quantity Available

Part No.	Voltage	Current	Pins	Dimensions	1	10	50
141161CK	250VAC	20 amps	11	3.0"L x 1.4"W x 1.0"H	\$3.15	\$2.84	\$2.58

Solid State & DIP Relays



Color Code Legend			
New	Sale	Lower\$	QtySave

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Zero crossing



Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing			
													1	10	50	100
Solid State Relays DC/AC Type																
164988CK	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	\$3.95	\$3.49	\$2.95	\$2.25
164996CK	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	4.95	4.49	4.05	3.65
153058CK	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	9.95	8.95	7.95	7.25
162341CK	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.95	14.39	12.95	11.65
162368CK	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	21.95	19.79	17.79	16.05
162405CK	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	22.99	20.69	18.69	16.79
105081CK	615-8500	Teledyne	5-10VDC	DC/AC	SPST	250VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.99	14.39	12.99	11.69
192815CK	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	3	Screw Terminal	—	1.8 x 0.6 x 2.3	18.99	17.32	15.75	14.99
175214CK	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 1.5	5.95	5.69	5.32	5.05
127790CK	D2W202F	Crydom	3-32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	7.19	6.75	6.73	6.71
176698CK	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	9.99	8.99	7.99	7.19
176719CK	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59
176735CK	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15
204441CK	TD2420Q	Crydom	4-15VDC	DC/AC	4PST	280VAC	20A	13	—	Solder Lead	UL/CSA	2.3 x 1.8 x 0.9	56.95	51.25	43.59	32.69
186992CK	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004CK	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	17.95	15.95	13.95
Solid State Relays DC/DC Type																
172591CK	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	\$9.95	\$8.95	\$7.95	\$6.95
175222CK	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	1	Solder Lead	—	1.5 x 0.3 x 0.9	11.95	11.25	10.25	9.22
176647CK	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	26.99	24.29	21.79	19.59
176655CK	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89

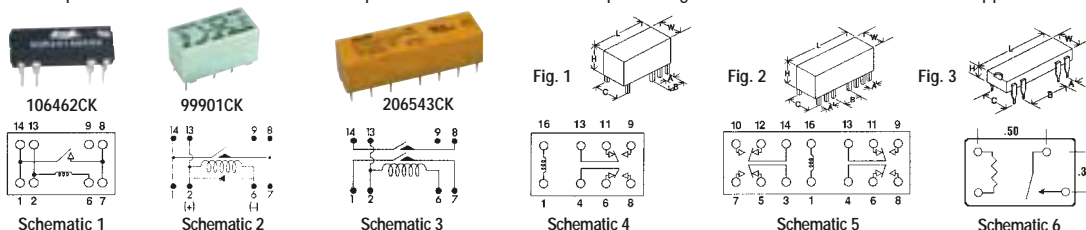
☛ Pull = Extra Savings

DIP Relays

- Logic control levels
- Long life with reliable operation
- Moisture resistant
- Compatible with IC sockets
- Compact design/construction
- Excellent for PCB applications



CLARE

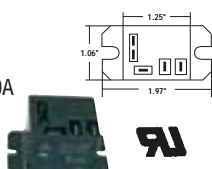


Part No.	Product No.	Manufacturer	Contact Schem.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Fig.	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing			
														1	10	50	100
106462CK	201A05	Excel Cell Elect.	1	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	\$2.15	\$1.81	\$1.52	\$1.25
138430CK	2D1A05	Excel Cell Elect.	2	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.29	1.95	1.65	1.34
215896CK	OJE-SS-109LMF	OEG	6	SPST-NO	9VDC	400	250VAC/30VDC	3A/3A	4	—	1	.71 x .39 x .57	.50 x .60 x .30	2.29	1.95	1.69	1.39
106472CK	201A12	Excel Cell Elect.	1	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	2.29	1.95	1.65	1.39
138448CK	2D1A1200	Excel Cell Elect.	2	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.25	1.95	1.75	1.49
138456CK	202A05	Excel Cell Elect.	3	DPST-NO	5VDC	140	100VDC	0.5A	8	37161	3	.77 x .30 x .28	.10 x .40 x .30	3.49	3.15	2.69	2.19
139977CK	RSB5S	Shin Mei	4	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37372	1	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99338CK	LM12C00	Clare	4	DPDT	6VDC	71	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.49	2.25	2.03	1.69
99311CK	DS2Y-S-DC12V	Aromat (NAIS)	4	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.49	2.31	2.05	1.75
99901CK	LX200D00	Clare	4	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
99320CK	LM12E00	NEC	4	DPDT	24VDC	1110	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.95	2.69	2.39	2.15
136549CK	DS4E-M-DC5V	Aromat	5	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	5.49	4.95	4.45	4.05
206543CK	DS4E-S-DC5V-1C-N137	Aromat	5	4PDT	5VDC	125	250VAC/220VDC	2A	14	112299	2	1.40 x .40 x .42	.20 x .30 x .30	3.79	3.45	3.15	2.85
176313CK	DS4E-M-DC12V	Aromat	5	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	6.95	6.29	5.29	4.39

T9A Series Relay

Low Cost PC Board or Panel Mount Only

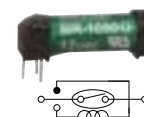
- Contact form: SPDT
- Contact current: 20A/10A
- Coil voltage: 12VDC
- 5-pin
- Contact volt.: 240VAC/28VDC
- Coil: 155Ω
- Terminal type: 0.1" disconnect (2); 0.25" disconnect (3)



SALE

Reed Type Relay

- Manufacturer: Bestar
- Contact form: SPST-NO
- Coil voltage: 12VDC
- Coil: 1050Ω
- Contact voltage: 120VAC/60VDC
- Contact current: 0.1A
- Dielectric strength: 1500VDC (between contact and coil)
- 4-pin
- Operating temperature: -30°C to +60°C
- Terminal type: PCB solder



Part No.	Cross Ref. No.	P & B Cross Ref.	Dimensions (LxWxH)	1	10	50	100	Part No.	Cross Ref. No.	Dimensions	1	10	50	100
137357CK	953-IC-12DM	T9ASD52-12	2.0" x 1.6" x 1.8"	\$2.55	\$2.45	\$2.19	\$1.75	111448CK	RC108T	1.0"L x .37"W x .38"H	\$.98	\$.89	\$.81	\$.74

☛ RoHS compliant product ☛ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

1.2" (30mm) PCB Mountable Speaker

- Round frame design
- Mylar diaphragm
- Output SPL: 82 dB
- Nominal input: 0.15W; max. input: 0.2W
- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz
- Pin spacing: 15mm

Part No.	Cross Ref. No.	Description	Dimensions	1	10	100
135722CK	PCM415	Solder leads	1.2"Dia. x 0.5"D	\$2.15	\$1.79	\$1.59



Speaker Terminals

Make a solid connection with these push-release speaker terminals. Color-coded red/black connections for positive & negative side of speakers, screwmount plates for easy installation.

- Requires 1.92" round cut-out for recessed mounting



Part No.	Description	Size	Price
318641CK	Round speaker terminals	2.95" diameter	\$.43

Round Ferrite Speakers

- 320135CK: with 2" lead wires
- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
320362CK	TRF-050F	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	\$1.95	\$1.51	\$1.33
135589CK	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.59	1.33	1.09
320135CK	C35128A	2.0 x 0.7	0.2	0.4	8	—	—	1.3 x 0.4	1.59	1.35	1.01
308267CK	GA0501M	2.0 x 0.8	0.25	0.5	8	85	500 – 7800	0.9 x 0.4	1.99	1.79	1.65
10840CK	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07
320354CK	TR-066F	2.6 x 0.9	0.25	0.5	8	85	440 – 3500	1.3 x 0.4	1.45	1.24	1.14

For speaker wire, see page 103



135589CK Side



135589CK Back

Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
135693CK	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	\$1.59	\$1.45	\$1.29
249463CK	66SF25	2.6 x 0.8	—	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.09	1.59
31958CK	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.25	1.99	1.79
99995CK	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.49	2.25	1.99



99995CK Side



99995CK Back

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34024CK	AZ30S	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$1.69	\$1.52	\$1.35
76030CK	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.75	1.49



34024CK Side



34024CK Back

Alnico Speakers

- For computer case use
- Pre-tinned solder lugs
- Paper diaphragm
- Large magnet
- Wide frequency response
- Impedance: 8Ω

Part No.	Mfg. P/N	Fig.	Dimensions (Dia. " x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)				1	10	100
88410CK	A0200	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	\$1.49	\$1.29	\$1.19
135765CK	RA2425	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	1.89	1.69	1.52
111587CK	B0102	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	2.09	1.69	1.39
135811CK	A1527G02	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	2.95	2.49	2.25

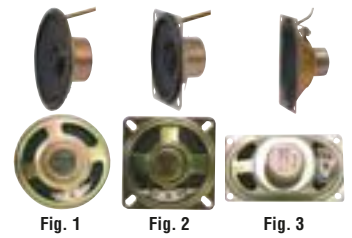


Fig. 1

Fig. 2

Fig. 3

Micro Speakers

Quantity SAVE

Part No.	Mfg. P/N	Fig.	Dimensions (Dia. " x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)				1	10	100
355514CK	GC0201M	1	1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	\$1.39	\$1.22	\$1.18
307871CK	GC0401M	1	1.57 x 0.67	0.2	0.3	80	600 – 8000	0.71 x 0.43	2.89	2.46	1.84
355522CK	GF0271M	1	1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	2.29	2.04	1.86
307854CK	GC0251KP*	2	1.0L x 0.55W	1.0	1.5	80	750 – 3500	0.43 x 0.08	1.85	1.57	1.18

* Rectangular micro speaker



Fig. 1

Fig. 2

Omni-directional Electret Condenser Microphone Cartridges

Applications:

- Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors
- Modems for computers
- Used for recording, testing, and monitoring



160979CK

136573CK & 320178CK

320004CK

196488CK

140986CK

Part No.	Type	Sensitivity	Impedance	Frequency (Hz)	Max. Op. Volt. (VDC)	Stand Op. Volt. (VDC)	Current (Max.)	Sensitivity Reduction	S/N Ratio	Terminals	Size (H x Dia.)	Pricing			
												1	10	100	1000
160979CK	WM-64PKT	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	\$.72	\$.65	\$.52	\$.35
136573CK	WM-60PC	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	.53	.48	.43	.39
320004CK	YILI	-38 ±3dB	>2.2kΩ	20-16,000	10V	4.5V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.23" x .38"	.69	.62	.32	.24
320178CK	EM-99	-64 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	1.49	1.25	.99	.81
196488CK	JL-061C	-58 ±3dB	2kΩ	20-20,000	10V	2.0V	0.04mA	-3dB @ 1.5V	>55dB	Solder pad	.10" x .24"	1.29	.99	.89	.79
140986CK	CRM919	-64 ±3dB	1kΩ ±30%	20-10,000	12V	3.0V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.90" x .39"	1.49	1.14	1.05	.89

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Sonic Transducers and Buzzers

Magnetic Transducers

• Applied voltage: 1/2 duty, square wave

Part No.	Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing			
								1	10	100	1000
207917CK	DB105GFPN	1	1.5/30	1 – 2	2048	75	.22"H x .47"Dia.	\$1.49	\$1.34	\$1.14	\$0.85
138721CK	DB111A-PN	2	1.5/10	1 – 2	2048	80	.32"H x .46"Dia.	1.49	1.34	1.14	.85
335636CK	PB-12N23P-05	3	5/50	4.5 – 5.5	2300	85	10mm H x 12mm Dia	2.75	2.65	2.53	2.33
335644CK	PB-12N23P-12	3	12/50	9 – 15	2300	85	10mm H x 12mm Dia	2.69	2.59	2.50	2.18
138739CK	DBX05-PN	2	5/40	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500CK	SBT-1205	2	5/40	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
207950CK	UDX05CPN	3	5/100	4 – 8	3100	85	.22"H x .35"Dia.	1.35	.99	.92	.83

Magnetic Buzzers

207984CK	TDB01	4	1.5/30	1.25 – 2	2300	75	.47"H x .38"Dia.	\$2.49	\$2.29	\$1.99	\$1.79
76064CK	TDB05-PN	4	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.99	2.79	2.69	2.59
207976CK	TDB12	4	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.49	2.39	2.29	2.19

Piezo Buzzers

336276CK	PT-1250W	6	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	\$1.55	\$1.49	\$1.37	\$1.24
337210CK	SC628D	7	6–28/5–18	6 – 28	1900	75	1.28"H x 1.69"Dia.	10.45	9.72	9.09	8.54
336305CK	PT-2020P	8	5/1.5	5 – 30	2000	80	22mm W x 7.2mm D x 26.6mm H	1.29	1.25	1.19	1.07
336022CK	PK-27N26W	5	12/15	3 – 28	2500	90	10mm H x 30mm Dia.	3.49	3.39	3.24	2.99
335505CK	MAS800	10	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.95	4.62	4.19	3.84
335530CK	MAS806	10	12/50	5 – 14	2800	103	15.2mm H x 26mm Dia.	5.85	5.55	5.44	5.05
336663CK	SC105	7	1–5/3–16	1 – 5	2900	75	1.28"H x 1.69"Dia	10.95	10.04	9.01	8.57
337535CK	SNP428	11	4–28/3–16	4 – 28	2900	76	.85"H x 1.64"Dia	9.35	8.63	8.00	7.48
336639CK	SBM616PU	12	6–16/3–12	6 – 16	2900	78	.62"H x 1.69"Dia	14.99	14.39	13.69	12.83
123537CK	11D3240	13*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
337383CK	SC628P	7	6–28/4–16	6 – 28	2900	80	1.84"H x 1.69"Dia	15.69	14.31	13.17	12.23
337359CK	SC628N	7	6–28/4–16	6 – 28	2900	90	1.28"H x 1.69"Dia	11.99	10.99	9.86	9.39
32601CK	11S3240	13	24/15	1 – 28	2900	95	1.4"H x 1.7"Dia	4.95	4.45	4.29	4.09
336989CK	SC616N	7C	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	11.69	10.66	9.81	9.10
336997CK	SC616NJ	7S	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	17.69	16.21	14.56	13.85
335556CK	MSR320	9	3–20/3–16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.38	2.16	1.98
76021CK	7S3240-LA	14	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	4.99	4.69	4.49	4.29
335695CK	PF-20A35EW	14F	12/10	3 – 28	3500	95	25mm H x 28mm Dia	5.09	4.89	4.77	4.59
207992CK	SL15R3120LA	15	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336313CK	PT-2038FW	5	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.15	1.09	1.05	.95
335927CK	PK-20A38P	3	12/15	3 – 24	3800	95	18mm H x 23mm Dia.	3.55	3.39	3.26	2.99
335564CK	MSR516N	3	5–16/3–14	5 – 16	3850	86	.39"H x .91"Dia.	3.99	3.79	3.43	3.15
138712CK	32S4120-PN	4	12/7	3 – 16	4000	80	.30"H x .54"Dia.	2.49	2.25	2.09	1.56
196357CK	AL-175	4	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	2.99	2.69	2.35	2.06
335855CK	PK-12N40P	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.29	3.07	3.05	2.69

Other Manufacturers — Great Deals

454521CK	MSR3205	9	20/16	3 – 20	3400	80	39"H x 91"Dia.	\$6.99	\$2.14	\$1.94	\$1.78
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* Dual tone C = Continuous tone S = Slow pulse F = Fast pulse

Mechanical/Electromechanical Buzzers

24871CK	63S109LA	16	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	\$2.49	\$2.19	\$1.99	\$1.79
140695CK	63S1120-LA	16	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.99	1.79	1.69	1.59
105822CK	CLB27	17	9/220	—	500	80	1.3"H x 2.0"Dia	1.39	1.29	1.25	1.19

Blue Part No. = Limited Quantity Available

Piezo Sirens

336188CK	PS-520	15	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mm H	\$8.99	\$8.75	\$8.05	\$7.34
207888CK	18R3120	18	12/120	9 – 15	1500–3100	105	3.4"L x 2.2"W x 1.3"H	5.99	5.79	5.49	5.29
336225CK	PS-562	19	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13

Surface Mount Electromechanical Buzzers

335388CK	AST500	21	1.5/50	1.2 – 3	2400	85	12.8mm Sq. x 10mm H	\$2.95	\$2.85	\$2.72	\$2.48
335417CK	AST605	21	5/40	4 – 8	2400	87	12.6mm Sq. x 7mm H	2.29	2.28	2.27	2.16
335345CK	ASI301	21	5/30	4 – 7	2400	90	12.6mm Sq. x 10mm H	2.99	2.78	2.59	2.24
335353CK	ASI401	21	12/30	8 – 15	2400	90	12.6mm Sq. x 10mm H	1.79	1.75	1.63	1.49

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21

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Audio Accessories



Volume Controls

- 10W or 50W
- Monaural volume level controls for stereo
- Impedance matching

Transformers with Multiple Taps

- 25V & 70V • 5W & 10W
- Color coded leads

Stereo Selector Switch

- Select from 3 sources for 1 input

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See Complete Speco Audio Accessories Offering at www.Jameco.com/Prod/SpecoAudio

24VDC Liquid Level Sensors

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

176250CK (Empty)

- Diameter: 1.0"
- Overall Length: 3.9"
- Travel Distance: 2.0"



176268CK (Full)

- Diameter: 1.1"
- Overall Length: 2.6"
- Travel Distance: .72"



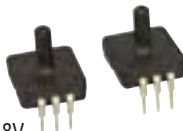
Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
176250CK	Sensor empty type ...	\$7.39	\$6.70	\$6.09
176268CK	Sensor full type 	6.09	5.85	5.68



-1.1 to 2.5 PSI Pressure Sensor

- Measurable pressure range: -1.1 to 2.5 PSI
- Maximum load pressure: twice rated pressure
- Operating volt.: 5V @ <10mA
- Maximum excitation voltage: 8V
- Pressure type: gauge pressure • Volt-level output
- Pressure media: non-corrosive gas
- On-chip amplification and temp. compensations
- Pre-calibration of offset voltage and span
- 1/8" diameter tubing is applicable
- Size: .55"L x .47"W x .20"H



Part No.	Product No.	1	10	100
196103CK	XFPN-025-KPGRNW1 ..	\$24.95	\$21.25	\$15.95



0 to 1.45 PSI Pressure Sensor

- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- Maximum pressure (P_{MAX}): 75kPa (10.875 PSI)
- Operating volt. (typical): 3VDC @ 6mA
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls • 1/8" diameter tubing applicable
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)



Part No.	Product No.	1	10	100
218827CK	MPX10GS	\$8.99	\$7.99	\$7.19



Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin) • Fast response
- Short circuit protected • LED status indicator
- Pre-tinned pigtail • 6' long cable



421180CK



421198CK



421227CK



421147CK



421163CK



421155CK



421171CK



421235CK



421294CK

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.)	Mounting Hole (in.)	Pricing		
							1	10	25
155547CK	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$9.95	\$8.95	\$7.95
167020CK	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858CK	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.99	17.99	15.99
155571CK	TS18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	24.95	22.46	20.21
421147CK	CS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	24.69	22.22	20.00
421155CK	CS12-05N-1	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	25.25	22.72	20.45
421163CK	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	30.95	27.83	25.05
421171CK	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	31.29	28.17	25.35
421180CK	CS30-10N-1	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	34.95	31.45	28.30
421198CK	CS30-15N-1	—	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	42.09	37.89	34.10
421201CK	TS12-05N-1	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	21.45	19.28	17.35
421219CK	TS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	26.95	24.26	21.83
421227CK	TS30-10N-1	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.40"	1.40	36.29	32.67	29.40
421235CK	TS30-15N-1	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	36.79	33.11	29.80
421243CK	S17-05N-1	NPN	0-4.0mm	17 x 17 x 1	1.1" x 0.66"	0.98	13.59	12.22	11.00
421251CK	S25-07N-1	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	24.75	21.12	19.01

Photo Electric Sensors

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.)	Mounting Hole (in.)	1	10	25
421260CK	WE-T3AD	NPN	0-5.0m	≥8mm Dia.	2.6" x 0.708"	.710	\$73.35	\$66.00	\$59.40
421278CK	WE-M3D	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	.710	50.95	43.48	39.13
421286CK	WE-R3AL	NPN	0-200mm	—	2.6" x 0.708"	.710	49.19	42.00	37.80
421294CK	WE-R3BL	NPN	0-80mm	15-44mm	2.6" x 0.708"	.710	49.19	42.00	37.80
421307CK	WE-U3L	NPN	10-30mm	18-22mm	2.6" x 0.708"	.710	54.19	48.78	43.90

* Dark-on † Light-on

Ultrasonic Sensor Sets

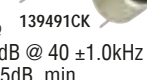
- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case



- 136653CK: Transmit/Receive Set
- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Lead length/spacing: 0.39"
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)
- Case size: 0.47"H x 0.62" Dia.

136653CK

- 139491CK: Transmit/Receive Set
- Capacitance: 2000pF ±20%
- Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)
- Case size: 0.30"H x 0.43" Dia.



139491CK

Part No.	Mfg. P/N	1	10	50
136653CK	40TR16F	\$6.95	\$6.29	\$5.65
139491CK	40TR12B	6.95	6.29	5.65

Latched Hall-Effect Sensor

- SP (south pole): on
- NP (north pole): off
- Supply voltage: 3-20V
- Supply current: 4mA
- Output current: 20mA
- Max. operating point: ≤ 130
- Max. release point (gauss): ≤ 130



Part No.	Cross Ref. No.	1	10	100	1000
174043CK	HI-300	\$0.95	\$0.86	\$0.77	\$0.59

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 309.



Magnetic Proximity Sensors



MP1014 Series



MP1005/MP1007



MP2017 Series



MP2019 Series

MP1014 Series Digital Hall-Effect

- Low-profile flange-mount housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 5.2mA
- Output current (max.): 20mA

MP1001 Series Solid State

- Electrical immunity protection
- Operating voltage range: 5 - 24VDC
- Output saturation voltage (max.): 700mV
- Supply current (max.): 12mA
- Output current (max.): 25mA

MP1005/MP1007 Series Solid State

- Operating voltage range: 4.75 - 24VDC
- Output saturation voltage (max.): 700mV
- Adjustable, threaded housing
- Output current (max.): 25mA

MP1013 Series Hall-Effect

- Convenient snap-fit mounting
- Operating voltage range: 4.75 - 24VDC or 3.5 - 24VDC
- Output current (max.): 25mA
- Output saturation voltage (max.): 400 or 500mV
- Supply current (max.): 4 or 9mA

MP1021 Series Digital Hall-Effect

- Plastic flange-mount housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 500mV
- Supply current (max.): 12mA
- Output current (max.): 25mA

MP2007 Series Reed-Based

- Aluminum threaded housing
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

MP2017 Series Reed-Based

- Encapsulated in smooth plastic barrel
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

MP2018/MP2019 Series Reed-Based

- Plastic flange-mount package
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

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Digital Vane Sensors

VN1015 Series Magnetically Activated

- Rugged, overmolded plastic housing with three pins or 3-wire flying leads
- Operating voltage range: 4.5 - 24VDC or 5 - 24VDC
- Supply current (max.): 6mA
- Output saturation voltage (max.): 400mV
- Output current (max.): 25mA



These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

SAVE \$26



100 each	100 each	100 each	100 each	100 each	100 each
Spacers	Hex nuts	Flat	Int. tooth	Split lock	PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —
Part No.	Description	Wt. (lbs.)	1	10	
108433CK	2300 pcs. Hardware kit	7.5	\$55.95	\$50.36	
130497CK	Refill for 108433CK (2300 pcs.)	2.7	39.95	35.95	



Geartooth Speed Sensors



GS1001/GS1002



GS1005/GS1007



GS1012 Series



MP2019 Series

GS1001/GS1002 Series Hall-Effect Speed

- Adjustable stainless steel housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 700mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

GS1005/GS1007 Series Hall-Effect Speed

- Adjustable aluminum housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

GS1012 Series Gear

- Flange mount rated to 125°C
- Operating voltage range: 5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

SD1002/SD1012 Series Hall-Effect Speed & Direction

- Adjustable aluminum or flange-mount plastic housing
- Operating voltage range: 4.75 - 24VDC
- Output saturation voltage (max.): 1000mV
- Supply current (max.): 20mA
- Output current (max.): 20mA

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Speed Sensors Offering at
www.Jameco.com/Prod/CherrySensors

Alcoswitch

- 1/4" or 1/8" shaft sizes

K Series

- Machined aluminum alloy stock
- Finish: gloss anodize
- Set screws: stainless steel, type 303, hex head, cup point

P Series

- General purpose phenolic (thermoset)
- Set screws: steel, hex head, cup point
- Finish: gloss (except PKX, matte)
- Inlays: skirts: aluminum alloy, spun finish



• Insert: Copper alloy

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Alcoswitch Knobs Offering at
www.Jameco.com/Prod/AlcoKnobs



Aluminum Instrumentation Knobs

(1/8" and 1/4" Shaft Diameters)



Includes: Set screw for secure attachment

290124CK: Coarse surface for sensitive control; 1/8" shaft diameter

Part No.	Cross Ref. No.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
290124CK	42008-1	1/8"	Silver	Silver	.500 x .625	\$1.99	\$1.79	\$1.61
162481CK	K5-1/4S	1/4"	Chrome	Silver	.500 x .560	1.19	1.09	.96
162499CK	K5-1/4B	1/4"	Black	White	.500 x .560	1.55	1.39	1.07
138481CK	KN031	1/4"	Aluminum	Black	.610 x .650	1.49	1.35	1.19
138501CK	KN032	1/4"	Aluminum	Black	.870 x .750	1.95	1.71	1.55
138510CK	KN033	1/4"	Aluminum	Black	1.18 x .870	2.49	2.24	1.95



Color Instrumentation Knobs (1/4" Shaft Diameters)

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft • All photos on www.Jameco.com



Fig. 1
264823CK



Fig. 2
265148CK



Fig. 3
265084CK



Fig. 4
265033CK



Fig. 5
265228CK

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	Fig.	1	10	100
264823CK	CPBTAA191A1S6.4BK	Black/Black	White	.79 x .77	1	.99	.93	.88
264786CK	CPBTAA191A1S6.4RD	Black/Red	White	.79 x .77	1	.99	.93	.88
264794CK	CPBTAA191A1S6.4YW	Black/Yellow	White	.79 x .77	1	.99	.93	.88
264807CK	CPBTAA191A1S6.4BL	Black/Blue	White	.79 x .77	1	.99	.93	.88
264815CK	CPBTAA191A1S6.4GN	Black/Green	White	.79 x .77	1	.99	.93	.88
264831CK	CPBTAA191A1S6.4GY	Black/Grey	White	.79 x .77	1	.99	.93	.88
265156CK	JK-907A-BL	Grey/Blue	Blue	.76 x 1.27	2	1.99	1.87	1.78
265130CK	JK-907A-RD	Grey/Red	Red	.76 x 1.27	2	1.99	1.87	1.78
265148CK	JK-907A-YW	Grey/Yellow	Yellow	.76 x 1.27	2	1.99	1.87	1.78
265181CK	JK-907B-BL	Grey/Blue	Blue	.86 x .94	2	1.99	1.87	1.78
265172CK	JK-907B-YW	Grey/Yellow	Yellow	.86 x .94	2	1.99	1.87	1.78
265164CK	JK-907B-RD	Grey/Red	Red	.86 x .94	2	1.99	1.87	1.78
265199CK	JK-907C-RD	Grey/Red	Red	.72 x .68	2	1.99	1.87	1.69
265201CK	JK-907C-YW	Grey/Yellow	Yellow	.72 x .68	2	1.99	1.87	1.78
265210CK	JK-907C-BL	Grey/Blue	Blue	.72 x .68	2	1.99	1.87	1.78
265050CK	JK-905A	Black/Red	White	.58 x .57	3	.92	.73	.66
265068CK	JK-905B	Black/Yellow	White	.58 x .57	3	.92	.73	.66
265076CK	JK-905C	Black/Blue	White	.58 x .57	3	.92	.73	.66
265084CK	JK-905D	Black/Green	White	.58 x .57	3	.92	.73	.66
265017CK	JK-904A	Black/Red	White	.47 x .78	4	.99	.93	.88
265025CK	JK-904B	Black/Yellow	White	.47 x .78	4	.99	.93	.88
265033CK	JK-904C	Black/Blue	White	.47 x .78	4	.99	.93	.88
265041CK	JK-904D	Black/Green	White	.47 x .78	4	.99	.93	.88
265261CK	CR-MS-5C5-T18	* Grey	Grey	.68 x .51	5	.78	.67	.61
265252CK	CR-MS-4C5-T18	* Grey	Green	.68 x .51	5	.78	.67	.61
265244CK	CR-MS-3C5-T18	* Grey	Blue	.68 x .51	5	.78	.67	.61
265236CK	CR-MS-2C5-T18	* Grey	Yellow	.68 x .51	5	.78	.67	.61
265228CK	CR-MS-1C5-T18	* Grey	Red	.68 x .51	5	.78	.67	.61

* For use with 1/4" knurled shaft



Black Instrumentation Knobs (1/4" Shaft Diameters)

- Set screw for secure attachment
- RN-112A/113A/114A: Numeric dial type



265092CK



265105CK



265113CK



265121CK



264997CK



265009CK



264882CK



264891CK



264911CK



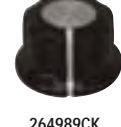
264920CK



264946CK



264954CK



264989CK



102787CK



104176CK



202286CK



136240CK



138392CK

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
265092CK	JK-906A	Black	White	.72 x 1.39	\$1.09	\$.87	\$.80
265105CK	JK-906B	Black	White	.79 x .95	1.02	.71	.65
265113CK	JK-906C	Black	White	.64 x .82	.83	.62	.57
265121CK	JK-906D	Black	White	.58 x .61	.68	.55	.54
264997CK	JK-902A	Black	White	.69 x 1.31	.74	.57	.53
265009CK	JK-902B	Black	White	.60 x .95	.69	.47	.44
264920CK	JK-901A	Black/Alum	White	.79 x 1.77	1.34	1.16	1.05
264946CK	JK-901B	Black/Alum	White	.64 x 1.29	.90	.71	.65
264954CK	JK-901C	Black/Alum	White	.61 x 1.06	.75	.59	.54
264989CK	JK-901D	Black/Alum	White	.47 x .78	.68	.53	.48
264882CK	RN-112A	Black/Alum	Numeric	.90 x 1.46	.99	.93	.88
264891CK	RN-113A	Black/Alum	Numeric	.70 x 1.15	.99	.93	.88
264911CK	RN-114A	Black/Alum	Numeric	.58 x 1.46	.99	.93	.88
102787CK	JK-903C	Black	White	.54 x 1.25	.64	.41	.39
104176CK	JK-902C	Black	White	.49 x .75	.99	.85	.65
202286CK	CP-Z1-M-S	Black/Alum	White	.60 x .80	.79	.69	.64
136240CK	GKB-214	Black/Alum	White	.52 x .54	.65	.55	.49
138392CK	41108-1	Black/Alum	White	.56 x .85	.79	.59	.54

200 Piece Spring Assortment

This kit contains approximately 200 springs with 20 different types, compression and tension ratings in a clear plastic case. They range from smallest which is about 10mm long to the longest 70mm long. Spring sizes listed on lid of plastic case.



Part No.	Description	1	10
314413CK	200-piece spring assortment	\$7.29	\$6.89



Spacers & Standoffs

Ceramic Spacers • Grade L-5 ceramic • Thread depth: 1/4"

Nylon Round Spacers

- Low operating temperature
- Molded nylon

Aluminum Round Spacers

- Low weight alternative to brass spacers

Brass Spacers

- Stand up moderately to extreme environmental conditions
- Nickel plating

Aluminum Hex Standoffs • Light weight

Brass Hex Standoffs • Nickel plating • Non-oxidizing surface

Nylon Round Threaded Standoffs

- Allows wire to be threaded without fear of chafing
- Hole Size: #4-40

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete Abbatron Hardware Offering at
www.Jameco.com/Prod/AbbatronHW



Hardware

Internal Tooth Lock Washer

- Steel
- Contact plating: zinc

Hex Nut Washer

- Bolt mounting
- Brass
- Contact plating: nickel

Insulated Washer • Nylon or Fiber

Bumpers & Chassis Feet w/ or w/o Washers

- Rubber
- Convenient protection for electrical equipment

Grommet • SBR/PVC • Prevents chafing through holes in panels

Internal Tooth Solder Lug

- Stud sizes #4, #6, #8 & #10
- Thickness: 0.018"

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete Abbatron Hardware Offering at
www.Jameco.com/Prod/AbbatronHW



Spacers

Aluminum Round Spacers

- 3/16" OD • #4 ID (0.115")
- Iridite clear finish

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Length	1	10	100	1000
392850CK	1107-4-A-7	1/8"	*	\$.177	\$.169	\$.159
392868CK	1108-4-A-7	3/16"	*	.195	.186	.176
392876CK	1109-4-A-7	1/4"	.20	.194	.19	.185
392884CK	1110-4-A-7	5/16"	.26	.214	.203	.193
392892CK	1111-4-A-7	3/8"	.26	.214	.203	.193
392905CK	1112-4-A-7	7/16"	.34	.288	.274	.26
392913CK	1113-4-A-7	1/2"	.29	.233	.221	.21
392921CK	1115-4-A-7	5/8"	.30	.242	.23	.218
392930CK	1116-4-A-7	11/16"	.44	.37	.35	.34
392948CK	1117-4-A-7	3/4"	.33	.279	.265	.252

Aluminum Round Spacers

- 1/4" OD • #4 ID (0.115")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393051CK	1122-4-A-7	1/8"	\$.24	\$.205	\$.194	\$.185
393060CK	1123-4-A-7	3/16"	.24	.205	.194	.185
393078CK	1124-4-A-7	1/4"	.24	.205	.194	.185
393086CK	1125-4-A-7	5/16"	.24	.205	.194	.185
393094CK	1126-4-A-7	3/8"	.30	.242	.23	.218
393107CK	1127-4-A-7	7/16"	.39	.326	.309	.294
393115CK	1128-4-A-7	1/2"	.30	.242	.23	.218
393123CK	1133-4-A-7	13/16"	.39	.326	.309	.294
393131CK	1134-4-A-7	7/8"	.39	.326	.309	.294
393140CK	1136-4-A-7	1"	.39	.326	.309	.294

Aluminum Round Spacers

- 1/4" OD • #6 ID (0.140")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393254CK	1122-6-A-7	1/8"	\$.24	\$.205	\$.194	\$.185
393262CK	1123-6-A-7	3/16"	.24	.205	.194	.185
393271CK	1124-6-A-7	1/4"	.24	.205	.194	.185
393289CK	1125-6-A-7	5/16"	.24	.205	.194	.185
393297CK	1126-6-A-7	3/8"	.30	.242	.23	.218
393300CK	1127-6-A-7	7/16"	.39	.326	.309	.294
393318CK	1128-6-A-7	1/2"	.30	.242	.23	.218
393326CK	1133-6-A-7	13/16"	.39	.326	.309	.294
393334CK	1134-6-A-7	7/8"	.39	.326	.309	.294

Brass Round Spacers

- 3/16" OD • #4 ID (0.115")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
392956CK	1107-4-B-12	1/8"	\$.79	\$.67	\$.64	\$.60
392964CK	1108-4-B-12	3/16"	.85	.68	.64	.61
392972CK	1109-4-B-12	1/4"	.86	.74	.70	.67
392981CK	1110-4-B-12	5/16"	.87	.74	.71	.67
392999CK	1111-4-B-12	3/8"	.89	.75	.72	.68
393001CK	1112-4-B-12	7/16"	.91	.77	.73	.70
393019CK	1113-4-B-12	1/2"	.93	.78	.74	.70
393027CK	1115-4-B-12	5/8"	1.12	.95	.90	.86
393035CK	1116-4-B-12	11/16"	1.14	.96	.91	.87
393043CK	1117-4-B-12	3/4"	1.16	.98	.93	.88

Brass Round Spacers

- 1/4" OD • #4 ID (0.115")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393158CK	1122-4-B-12	1/8"	\$.24	\$.205	\$.194	\$.185
393166CK	1123-4-B-12	3/16"	.22	.186	.177	.168
393174CK	1124-2-B-12	1/4"	.26	.214	.203	.193
393182CK	1125-4-B-12	5/16"	.31	.26	.247	.23
393191CK	1126-4-B-12	3/8"	.32	.26	.247	.235
393203CK	1127-4-B-12	7/16"	.77	.65	.62	.59
393211CK	1128-4-B-12	1/2"	.34	.288	.274	.26
393220CK	1133-4-B-12	13/16"	.97	.82	.78	.74
393238CK	1134-4-B-12	7/8"	.66	.56	.53	.504
393246CK	1136-4-B-12	1"	.74	.63	.60	.57

Brass Round Spacers

- 1/4" OD • #6 ID (0.140")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393351CK	1122-6-B-12	1/8"	\$.24	\$.205	\$.194	\$.185
393369CK	1123-6-B-12	3/16"	.22	.186	.177	.168
393377CK	1124-6-B-12	1/4"	.26	.214	.203	.193
393385CK	1125-6-B-12	5/16"	.31	.26	.247	.235
393393CK	1126-6-B-12	3/8"	.32	.26	.247	.235
393406CK	1127-6-B-12	7/16"	.77	.65	.62	.59
393414CK	1128-6-B-12	1/2"	.34	.288	.274	.26
393422CK	1133-6-B-12	13/16"	.97	.818	.78	.74
393431CK	1134-6-B-12	7/8"	.66	.56	.53	.504
393449CK	1136-6-B-12	1"	.74	.63	.60	.57

Standoffs, Male-Female

Male-Female Hex Aluminum Standoffs

- 3/16" Hex • 4-40 thread
- Iridite clear finish
- Thread length : 1/4"

Part No.	Product No.	Length	1	10	100	1000
393457CK	4501-440-A-7	1/4"	\$.35	\$.298	\$.283	\$.269
393465CK	4503-440-A-7	3/8"	.35	.298	.283	.269
393473CK	4505-440-A-7	1/2"	.35	.298	.283	.269
393490CK	4509-440-A-7	3/4"	.39	.326	.309	.294
393502CK	4513-440-A-7	1"	.39	.326	.309	.294

Blue Part No. = Limited Quantity Available

Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 4-40 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393836CK	4530-440-B-12	1/4"	\$.73	\$.61	\$.58	\$.55
393844CK	4532-440-B-12	3/8"	.75	.63	.60	.57
393852CK	4534-440-B-12	1/2"	.81	.69	.65	.62
393861CK	4536-440-B-12	5/8"	.83	.70	.66	.63
393879CK	4538-440-B-12	3/4"	.78	.66	.63	.60
393887CK	4542-440-B-12	1"	.78	.66	.63	.60
393895CK	4546-440-B-12	1-1/4"	.85	.72	.68	.65
393908CK	4550-440-B-12	1-1/2"	1.24	1.05	1.00	.95

Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 6-32 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393916CK	4530-632-B-12	1/4"	\$.73	\$.61	\$.58	\$.55
393924CK	4532-632-B-12	3/8"	.75	.63	.60	.57
393932CK	4534-632-B-12	1/2"	.81	.69	.65	.62
393941CK	4538-632-B-12	3/4"	.78	.66	.63	.60
393959CK	4542-632-B-12	1"	.78	.66	.63	.60
393967CK	4546-632-B-12	1-1/4"	.85	.72	.68	.65

Standoffs, Female-Female

Female-Female Hex Brass Standoffs

- 1/4" Hex • 4-40 thread
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393684CK	2100-440-B-12	1/4"	\$.24	\$.205	\$.194	\$.185
393692CK	2102-440-B-12	3/8"	.37	.307	.292	.277
393705CK	2103-440-B-12	7/16"	.71	.60	.57	.55
393713CK	2104-440-B-12	1/2"	.44	.372	.353	.336
393721CK	2106-440-B-12	5/8"	.61	.512	.486	.462
393730CK	2108-440-B-12	3/4"	.69	.58	.55	.52
393748CK	2112-440-B-12	1"	.81	.69	.65	.62

Blue Part No. = Limited Quantity Available

Female-Female Hex Brass Standoffs

- 1/4" Hex • 6-32 thread • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393756CK	2100-632-B-12	1/4"	\$.24	\$.205	\$.194	\$.185
393764CK	2102-632-B-12	3/8"	.37	.307	.292	.277
393772CK	2104-632-B-12	1/2"	.44	.372	.353	.336
393781CK	2106-632-B-12	5/8"	.61	.512	.486	.462
393799CK	2108-632-B-12	3/4"	.69	.58	.548	.52
393801CK	2112-632-B-12	1"	.81	.69	.65	.62
393810CK	2120-632-B-12	1-1/2"	.77	.65	.62	.59

Washer-Face Aluminum

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393975CK	7100-A	4-40	5/16"	5/8"	\$1.55	\$1.47	\$1.40	\$1.33
393983CK	7101-A	4-40	3/8"	11/16"	1.55	1.47	1.40	1.33
393991CK	7105-A	4-40	1/2"	13/16"	1.55	1.47	1.40	1.33
394003CK	7106-A	8-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394011CK	7107-A	8-32	1/2"	13/16"	1.75	1.66	1.58	1.50
394020CK	7109-A	10-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394038CK	7111-A	10-32	5/8"	15/16"	1.75	1.66	1.58	1.50
394046CK	7112-A	1/4-20	3/8"	3/4"	1.79	1.70	1.62	1.54

Blue Part No. = Limited Quantity Available

Plain Aluminum

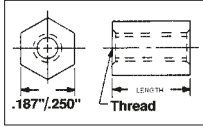
Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394054CK	7120-A	4-40	5/16"	1/2"	\$1.55	\$1.47	\$1.40	\$1.33
394062CK	7125-A	6-32	3/8"	9/16"	1.49	1.42	1.35	1.28
394071CK	7128-A	8-32	3/8"	9/16"	1.65	1.56	1.49	1.41
394089CK	7135-A	10-32	1/2"	11/16"	1.69	1.60	1.52	1.44
394097CK	7138-A	1/4-20	1/2"	3/4"	1.79	1.71	1.63	1.55
394100CK	7140-A	1/4-20	5/8"	7/8"	1.85	1.76	1.67	1.59

We're committed to providing you with the best service in the industry.

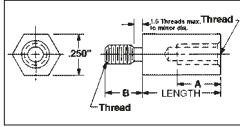
Aluminum & Brass Threaded Standoffs



Hex
.187\"/>



.187\"/>



.250\"/>

.187\"/>

4-40 Thread (Fig. 1) .187\"/>

Part Number	Metal [†]	Hex Length	Pricing			
			10	100	1000	
175636CK	Brass [⊕]	.187"	\$.21	\$.15	\$.10	
102795CK	Brass [⊕]	.240"	.21	.15	.10	
133612CK	Alum [⊕]	.250"	.20	.14	.11	
133639CK	Alum [⊕]	.500"	.22	.20	.11	
139791CK	Alum [⊕]	.562"	.19	.16	.14	
133647CK	Alum [⊕]	.625"	.14	.13	.115	
133655CK	Alum [⊕]	.750"	.43	.39	.23	
139184CK	Alum [⊕]	1.000"	.43	.39	.32	

.250\"/>

4-40 Thread (Fig. 1) .250\"/>

* 10 piece minimum

Part Number	Metal [†]	Hex Length	Pricing			
			1	10	100	1000
139192CK	Alum [⊕]	.250" ⊕	* \$1.17	* \$1.13	* \$0.9	
77500CK	Alum [⊕]	.375"	* .20	* .15	* .09	
134762CK	Alum [⊕]	.437"	* .21	* .18	* .15	
108370CK	Alum [⊕]	.500" ⊕	* .25	* .17	* .10	
77518CK	Alum [⊕]	.625"	.42	.35	.19	.14
133604CK	Alum [⊕]	.750"	.41	.37	.21	.16
139205CK	Alum [⊕]	1.000" ⊕	.54	.39	.28	.16

⊕ Blue Part No. = Limited Quantity Available

.250\"/>

6-32 Thread (Fig. 1) .250\"/>

* 10 piece minimum

Part Number	Metal [†]	Hex Length	Pricing			
			1	10	100	1000
77534CK	Alum [⊕]	.250"	* \$2.22	* \$1.4	* \$0.8	
133591CK	Alum [⊕]	.375"	.32	.29	.13	.091
77542CK	Alum [⊕]	.500" ⊕	* .22	* .17	* .10	
77551CK	Alum [⊕]	.625"	* .25	* .19	* .14	
77569CK	Alum [⊕]	.750" ⊕	.31	.28	.21	.13
77577CK	Alum [⊕]	1.000"	.59	.35	.30	.16
143407CK	Alum [⊕]	1.500"	.69	.61	.49	.42
143440CK	Alum [⊕]	1.750"	.79	.59	.48	.41

⊕ Blue Part No. = Limited Quantity Available



Hex
.250\"/>

.250\"/>

4-40 Thread (Fig. 2) (Thread A: .250"; B: .187")

Part Number	Metal [†]	Hex Length	Pricing			
			1	10	100	1000
77585CK	Alum [⊕]	.250"	\$.39	\$.37	\$.19	\$.10
77593CK	Alum [⊕]	.375"	.43	.34	.19	.12
111755CK	Alum [⊕]	.500"	.49	.44	.36	.20
139213CK	Alum [⊕]	.625"	.43	.39	.35	.31
139221CK	Alum [⊕]	.750"	.43	.39	.35	.21
139230CK	Alum [⊕]	1.00"	.49	.44	.36	.30
128565CK	Alum [⊕]	1.25"	.59	.53	.44	.38
166545CK	Alum [⊕]	1.50"	.75	.65	.59	.49
618020CK	Steel ³	1.50"	.79	.69	.63	.53

.250\"/>

6-32 Thread (Fig. 2) (Thread A: .375"; B: .250")

Part Number	Metal [†]	Hex Length	Pricing			
			10	100	1000	
133541CK	Alum [⊕]	.250"	\$.35	\$.21	\$.19	
133567CK	Alum [⊕]	.375"	.39	.35	.22	
77606CK	Alum [⊕]	.500"	.32	.29	.23	
77622CK	Alum [⊕]	.750"	.39	.35	.28	
77649CK	Alum [⊕]	1.000" ⊕	.44	.40	.32	
206623CK	Steel ³	1.250"	.40	.31	.23	

⊕ Blue Part No. = Limited Quantity Available

RAF Instrumentation Handles

216821CK:

- Material: brass, nickel plate
- Oval diameter: 5/8"
- Internal thread size: 10-32



457801CK:

- Material: black anodized steel
- Oval diameter: 1/4"
- Internal thread size: 6-32

Part No.	Size (L" x H" x T")	1	10	100
216821CK	3.0 x 1.3 x 0.3	\$2.49	\$2.12	\$1.59
457801CK	3.0 x 1.0 x 0.4	2.19	1.83	1.70

3M

Bumpon™ Protective Products

These durable, pressure sensitive, adhesive-backed urethane bumpers provide many high performance advantages: adhere quickly and stay in place on a variety of surfaces, resist marring and staining on surfaces, and give excellent skid and abrasion resistance.

Part No.	Description	Color	1	10	25
651891CK	Hexagon die cut shape (132 pieces per pack)	Light brown	\$7.25	\$6.44	\$5.78
651903CK	Hemisphere shape (96 pieces per pack)	Clear	7.25	6.44	5.78
651911CK	Cylindrical shape (56 pieces per pack)	Clear	7.25	6.44	5.78
651920CK	Cylindrical shape (56 pieces per pack)	White	7.25	6.44	5.78
651938CK	Hexagonal cone shape (132 pieces per pack)	Clear	8.15	7.21	6.48

SAE Hardware

- Zinc-plated steel



Prepackaged: order in increments of 100 or 1000

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum	
				100	1000
38172CK	2-56 ⊕	Std	.250	\$.025	\$.022
40951CK	4-40 ⊕	Std	.250	.019	.011
40969CK	4-40 ⊕	Std	.375	.017	.012
106809CK	4-40 ⊕	Std	.500	.018	.013
106542CK	6-32 ⊕	Std	.250	.018	.013
42446CK	6-32 ⊕	Std	.375	.019	.014
42438CK	6-32 ⊕	Std	.500	.019	.015
106796CK	8-32 ⊕	Std	.500	.04	.025

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum	
38164CK	2-56 ⊕	Std	.183	\$.022	\$.014
211123CK	4-40	Sm	.184	.023	.011
40942CK	4-40 ⊕	Std	.243	.025	.013
42420CK	6-32 ⊕	Std	.306	.023	.014
51553CK	8-32 ⊕	Std	.334	.02	.014

Flat Washers

Part Number	Screw Size	Dia. (inches)	100 piece minimum	
			100	1000
211131CK	4	.237	\$0.019	\$0.014
106825CK	4 ⊕	.281	.022	.019
106833CK	6 ⊕	.373	.023	.02
106841CK	8 ⊕	.377	.04	.025

Internal Tooth Lock Washers

Part Number	Screw Size	Length (inches)	100 piece minimum	
106850CK	4 ⊕	.258	\$.018	\$.015
106868CK	6 ⊕	.277	.018	.015
106876CK	8 ⊕	.323	.02	.018

Split Lock Washers

Part Number	Screw Size	Length (inches)	100 piece minimum	
106788CK	2 ⊕	.161	\$.024	\$.016
211140CK	4	.201	.02	.015
40977CK	4 ⊕	.242	.02	.015
42462CK	6 ⊕	.240	.015	.013
51609CK	8 ⊕	.279	.02	.012



Hexagon Die Cut



Cylindrical



Hemisphere



Hexagonal Cone

3M

Adhesive Rubber Feet

These are perfect for project boxes, providing a non-slip, non-scratch surface.



119618CK



126981CK



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Product No.	Type	Fig.	Pack	(W" x H")	1	10	50
119618CK	SJ5012BLK4	Black cylindrical	1	4	.50 x .14	\$.37	\$.36	\$.35
142658CK	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	5.95	5.35	4.86
142771CK	SJ5008BLKC	Black square	2	100	.50 x .12	6.69	4.76	3.81
142682CK	SJ5018BLKC	Black square	3	100	.50 x .23	9.95	8.25	7.04
126981CK	SJ5023BLK4	Black square	4	4	.81 x .30	1.95	1.75	1.59
142666CK	SJ5023BLKC	Black square	4	100	.81 x .30	14.25	9.59	9.29

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Component Grab Bags



RoHS Compliant Product
RoHS Also Available



Color Code Legend
New Sale Lower\$ QtySave



135394CK - Electrolytic



135271CK - LEDs



169578CK - Photocells



18294CK - Toy Motors



149649CK - Fans



55968CK - Spacers



319599CK - Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319599CK

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213CK) referenced towards the bottom of the page.

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857CK	GB100	200 asst. ceramic disc capacitors	0.2	\$4.95	\$4.49
135335CK	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps.	1.0	12.95	11.49
17881CK	GB101	100 assorted mylar capacitors	0.3	5.95	5.35
135458CK	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911CK	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	4.95	4.49
135394CK	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps. radial, axial, snap (photo above)	1.5	12.95	11.49
17945CK	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961CK	GB107	200 assorted diodes (zener, switching, silicon)	0.1	\$5.95	\$5.35	\$4.79
18171CK	GB127	100 assorted transistors (NPN, PNP, power)	0.1	5.95	5.35	4.79
114446CK	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	6.25

Resistors, Trimmers and Potentiometers

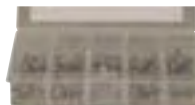
Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104CB	GB116	200 asst. 1/4W resistors (5&10%)	0.1	\$5.49	\$4.95
135351CK	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	13.49
18139CK	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	5.35
18075CK	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	5.15	3.89
18278CK	GB174	100 assorted 1/4W & 1/2W single-turn pots (100Ω to 5MΩ assorted values)	0.2	6.95	6.25

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996CK	GB108	100 assorted 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2	\$6.95	\$6.25
135280CK	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0	19.05	17.15
18024CK	GB109	100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220	0.6	7.95	6.95
145242CK	GB109LB*	2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.)	2.0	19.05	17.14
114964CK	GB171	100 asst. microprocessor series (micros, PALS, RAMs, PROMs, EPROMs)	0.7	12.95	11.49
105620CK	GB120	100 asst. sockets (DIP IC, PGA)	0.3	5.95	5.35
135386CK	GB120LB*	1 lb. (260 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	12.95	11.49

5mm x 20mm Fast Acting Fuse Kit

- Voltage rating: 250VAC
- Glass cartridge, silver-end caps
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



Part No.	Product No.	1	10	25
645343CK	K/FF	\$12.29	\$11.68	\$11.09

LEDs, Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041CK	GB110	100 assorted sizes & colored LEDs (T1&T1 ³ / ₄ round and rectangular)	0.1	\$6.95	\$6.29	\$5.65
18323CK	GB186	500 asst. sizes #18041CK LEDs	0.3	19.95	17.95	15.95
135271CK	GB110LB*	1 lb. (1900 pcs) asst. #18041CK LEDs	1.0	44.95	40.95	38.95
18201CK	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	7.45	6.69
169578CK	GB125	100 asst. values photocells	0.2	12.95	11.49	10.35

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235CK	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	\$8.75	\$7.69
135378CK	GB165LB*	1 lb. (135 pcs) asst. #18235CK switches	1.0	18.95	16.95
18294CK	GB182	5 asst. toy DC motors (1.5-24V)	1.1	5.49	4.95
149649CK	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

Hardware Assortments

- 2-56
- Screws
- Steel
- 4-40
- Plastic
- Brass
- 6-32
- Nuts
- Lock Washers
- 8-32
- Washers
- Aluminum



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571CK	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	\$5.95	\$5.35	\$4.79
171635CK	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571CK (above)	3.0	12.95	11.49	9.95

Spacers and Standoffs Assortments

- Round
- Hex
- Aluminum
- Brass
- Steel
- Plastic
- Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
166481CK	GB440	100 asst. 4-40 spacers/standoffs	0.5	\$9.99	\$8.99	\$8.29
166490CK	GB632	100 asst. 6-32 spacers/standoffs	0.5	9.99	8.99	8.29
55968CK	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon spacers	0.3	10.95	9.86	8.87
135423CK	GB140LB*	1 lb. (310 pcs) same as P/N 55968CK	1.0	21.59	19.44	17.50

Schwab's School Selection

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319599CK photo above) for storage.

\$60.89 Value



Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213CK	GB197	Schwab's School Selection	3.3	\$39.95	\$34.95
319599CK	GB197	20 drawer component cabinet	4.7	15.95	13.95

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



355493CK



279566CK

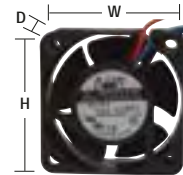
Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

SALE



Quantity SAVE



249375CK



354933CK

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
131246CK	Adda	AD02051X-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	\$8.49	\$7.64	\$7.01	\$6.63
196373CK	Sunon	KD0504PFB2-8	5	1.60 x 1.60 x 0.40	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	8.09	7.25	6.55
207061CK	Adda	AD0505MB-G90	5	2.00 x 2.00 x 0.40	10.5	Ball	120	0.7	UL/CSA/CE	24	11"	7.95	6.95	6.25	5.59
355493CK	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.37	5.89	4.42
279566CK	Mechatronics	F6025H05B	5	2.36 x 2.36 x 1.00	20	Ball	410	2.05	UL/CUL/TUV	31	6"	8.45	8.05	7.18	6.82
212804CK	Sunon	KDE1202PFB3-8	12	1.00 x 1.00 x 0.40	1.3	Ball	40	0.5	UL/CUL/TUV/CE/VDE	26	5.9"	10.95	9.89	8.89	7.99
212741CK	Sunon	KDE1235PFB2-8	12	1.40 x 1.40 x 0.40	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	11.95	10.76	8.60	7.65
212759CK	Sunon	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	8.06
207052CK	Adda	AD0412MB-K90	12	1.60 x 1.60 x 0.25	5.5	Ball	60	0.72	UL/CSA/TUV/CE	25	5"	6.95	6.26	5.00	3.75
191476CK	Common Wealth	FP-108HX/DC	12	1.60 x 1.60 x 0.40	4.0	Sleeve	60	0.72	UL/CSA/TUV/CE	25	12"	5.29	4.76	3.81	2.86
210796CK	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
355418CK	ReliaPro	JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6	11.5"	5.65	3.85	3.52	3.35
279611CK	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	6.49	5.84	4.67	3.50
189691CK	Sunon	KD1204PFS1-8	12	1.60 x 1.60 x 0.40	6.6	Sleeve	60	0.7	UL/CUR/TUV/CE	30	12"	7.95	7.19	6.45	5.45
161699CK	Sunon	KD1204PFB2-8	12	1.60 x 1.60 x 0.40	6.3	Ball	70	0.6	UL/CUL/TUV/CE	30	12"	7.95	6.95	6.25	5.59
212716CK	Sunon	KDE1204PFB2-H	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/VDE	27	12"	6.65	4.95	4.36	3.95
290010CK	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn.	4.95	4.60	4.14	3.72
311968CK	Adda	AD0412HS-G70	12	1.60 x 1.60 x 0.40	6.7	Sleeve	100	1.2	UL/CUL/TUV/CE	25	2.5"	4.25	3.83	3.06	2.29
213428CK	Adda	AD0412HB-G76 ¹	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	CE	30.2	12"/3 leads	7.59	6.83	5.46	4.10
212724CK	Sunon	KDE1204PFB1-H	12	1.60 x 1.60 x 0.40	8.3	Ball	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.65	5.98	4.79	3.59
174131CK	Jamicon	JF0413S1M	12	1.60 x 1.60 x 0.47	3.8	Sleeve	90	1.1	UL/CSA/TUV	29	14"	2.95	2.66	2.12	1.59
136178CK	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.80	5	Sleeve	110	1.32	UL/CSA	23	9"	5.49	4.95	3.95	2.95
195899CK	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.15	6.45	5.35
279620CK	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	7.29	6.56	5.25	3.94
206447CK	Delta	DFB0412H	12	1.60 x 1.60 x 0.80	8.5	Ball	100	1.0	UL/CSA/VDE	32	8"	7.95	7.16	6.44	5.80
249375CK	Adda	AD0412HB-C56 ²	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
206164CK	Sunon	KDE1204PKB3-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	2"	8.95	8.06	6.44	4.83
212687CK	Sunon	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/VDE	29	12"	4.59	4.13	3.30	2.48
297959CK	Delta	EFB0512HA	12	2.00 x 2.00 x 0.40	11.4	Ball	150	1.8	UL/CSA/CE/VDE	30	6" w/ conn.	6.29	5.66	4.53	3.40
206965CK	Adda	AD0512HB-D71	12	2.00 x 2.00 x 0.60	11.7	Ball	100	1.2	UL/CUL/TUV/CE	28.5	5"	3.55	3.20	2.56	1.92
139601CK	Adda	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	7.49	6.74	5.39	4.04
249092CK	Sunon	KDE1206PFV2	12	2.36 x 2.36 x 0.40	13.6	Vapo	80	1.0	UL/CSA/CE/TUV	25	11"	7.99	6.45	5.29	4.10
354933CK	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VDE/CE	29	12"/3 leads	7.99	7.17	5.75	4.31
195944CK	Adda	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	7.49	6.69	5.45	4.15
662602CK	Panaflo	FBA06T12H-1BS ³	12	2.36 x 2.36 x 0.60	16.6	Sleeve	145	1.74	UL/CSA	32	12"/3 leads	9.49	6.95	6.49	5.79
249068CK	Jamicon	JF0615B1H	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	8.75	7.89	7.09	6.39
175046CK	Globe Motors	D24-B08A-04W3-000	12	2.36 x 2.36 x 0.80	10.6	Ball	90	0.8	UL/CSA/TUV/CE	22	13"	6.95	6.26	5.00	3.75
144160CK	Adda	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	8.79	7.99	6.39	4.85
189595CK	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	4.95	4.46	4.01	3.60
237075CK	Nidec	TA225DC-B33399-55	12	2.36 x 2.36 x 1.00	12	Ball	110	1.3	UL/CSA	17.2	10"	5.95	5.36	4.82	3.62
75352CK	Common Wealth	FP108FDC12VS2	12	2.36 x 2.36 x 1.00	15.5	Sleeve	110	1.3	UL/CSA/TUV/CE	25	12"	2.35	2.13	1.94	1.76
136143CK	Delta	SB0612M	12	2.36 x 2.36 x 1.00	17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.82	4.34
279646CK	Toyo	T602512H	12	2.36 x 2.36 x 1.00	18.1	Ball	140	1.7	UL/CUL/TUV/CE	34	12"	5.89	5.30	4.24	3.18
662645CK	Panaflo	FBA06A12U-1BS ³	12	2.36 x 2.36 x 1.00	20.5	Sleeve	270	2.52	UL/CSA	37	12"/3 leads	7.49	6.95	5.95	4.49
102947CK	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11"	6.49	5.84	4.67	3.50
150421CK	Jamicon	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	6.95	6.26	5.00	4.29
195910CK	Sunon	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73

¹ 213428CK: ATX PC type

² 249375CK: Speed sensor

³ 662602CK/662645CK: Locked rotor alarm sensor

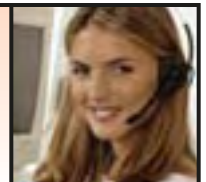
Blue Part No. = Limited Quantity Available

DC Brushless Fans continued on pages 190 and 191

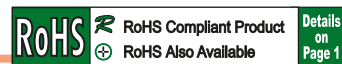
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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DC Brushless Fans (Continued)



Color Code Legend			
New	Sale	Lower\$	QtySave



234894CK



102955CK

Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- Agency approved
- Low power consumption
- Low acoustical noise rating
- PBT black thermo plastic frame and impeller

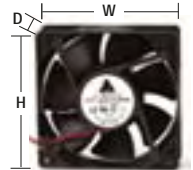


SALE

Quantity SAVE



227900CK



163619CK

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
395508CK	Sanyo	109R0612S402	12	2.36 x 2.36 x 1.00	23	Ball	170	2.04	UL/CSA/TUV	33	6"	\$5.95	\$5.36	\$4.28	\$3.21
400881CK	Comair Rotron	CR0612HB-A70GL	12	2.36 x 2.36 x 1.00	23.2	Ball	230	2.76	UL/CSA/TUV	23.2	12"	6.65	6.15	5.84	5.27
401269CK	Delta	AFB0812LB	12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	9.35	6.81	6.40	4.80
109081CK	Adda	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
141920CK	Adda	AD0812HB-C01	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.35	5.95	5.75	5.55
16993CK	Various	FAN7315SL ^{1*}	12	3.15 x 3.15 x 1.00	25-40*	Sleeve	120-200*	1-2*	UL/CSA*	25*	4-12**	6.95	6.26	5.00	3.75
75361CK	Various	FAN6315BL ^{1*}	12	3.15 x 3.15 x 1.00	25-40*	Ball	120-200*	1-2*	UL/CSA*	25*	4-12**	5.95	5.36	4.28	3.21
234894CK	Adda	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5	8.19	6.39	5.89	5.49
286926CK	Toyo	USTF802512MMW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.99	6.29	5.03	3.77
154288CK	Sunon	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	4.55	4.09	3.69	3.06
195952CK	Panasonic	FMB-08A12M	12	3.15 x 3.15 x 1.00	30	Sleeve	124	1.5	UL/CSA	28	11"	4.55	4.10	3.28	2.46
123529CK	Adda	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	6.95	6.26	5.00	3.75
265578CK	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35	5"	5.29	5.18	5.07	4.96
185834CK	Panaflo	FBM08A12H	12	3.15 x 3.15 x 1.00	39.6	Sleeve	220	2.1	None	32	11"	6.15	5.54	4.98	4.48
662661CK	Panaflo	FBO812H1BS ³	12	3.15 x 3.15 x 1.00	39.6	Sleeve	250	2.08	UL/CSA	32	12"/3 leads	7.95	6.95	5.49	4.49
206181CK	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	5.95	5.39	4.85	4.35
355400CK	ReliaPro	JR-DCF128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.05	5.10	4.80	4.56
102955CK	Sunon	KD1208PTB1	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	UL/CSA/TUV/CE	33.5	12"	6.49	5.85	5.29	4.75
249148CK	Sunon	KDE1208PTB1-6	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	None	33.5	12"	6.49	5.85	5.29	4.75
172460CK	Nidec	TA300DCM33406-68 ³	12	3.15 x 3.15 x 1.00	43	Ball	290	3.5	UL/CSA	41	11"/3 leads	9.95	8.99	8.09	7.28
323897CK	Mechatronics	F8025E12B1 ²	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	6.99	5.09	4.79	4.45
75441CK	Common Wealth	FP108BDC12VS1	12	3.63 x 3.63 x 1.00	45	Sleeve	320	3.1	UL/CSA/TUV	32	10"	3.79	3.39	3.05	2.75
421526CK	Panasonic	FBA08A12U-1AZ	12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.69	6.02	4.82	3.61
661061CK	Nidec	TA350DC-M33420-58	12	3.63 x 3.63 x 1.00	42	Ball	210	2.52	UL/TUV	4.8	8"/3 leads	7.25	6.49	4.95	3.29
196023CK	Jamicon	FJ0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	5.49	5.22	4.95	4.71
154641CK	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190983CK	Sunon	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	7.25	6.52	5.22	3.92
162739CK	NMB (Smart Fan)	3610KL-04W-B56 [†]	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	6.44	5.80
102963CK	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	7.16	5.72	4.29
319193CK	Papst	3312-177	12	3.63 x 3.63 x 1.26	54.7	Ball	290	3.5	UL/CSA/CE/VDE	43	12"	7.95	7.16	5.72	4.29
174140CK	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	6.95	6.26	5.00	3.75
227900CK	Common Wealth	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	10.95	9.85	8.89	7.99
363848CK	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	16.09	14.48	11.58	8.69
174924CK	Globe Motors	D47-B10A-04T3-000	12	4.68 x 4.68 x 1.00	90	Ball	740	6.8	UL/CSA	39	Terminals	6.95	6.29	5.05	3.79
163619CK	NMB (Smart Fan)	4710NLO12P535P0 [†]	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	4.95	4.46	3.56	2.67
159020CK	Sunon	KDE1212PMS1-6A	12	4.68 x 4.68 x 1.50	107	Sleeve	570	6.8	UL/CSA/TUV	41	12"	10.95	9.86	7.88	5.91
285966CK	Delta	AFB1212VHE	12	4.68 x 4.68 x 1.50	130	Ball	900	10.8	UL/CSA/VDE/CE	48	6"	14.95	13.45	10.75	8.09
206201CK	Sunon	KDE2404PKB3	24	1.60 x 1.60 x 0.80	6	Ball	30	0.7	UL/CSA/TUV/CE	24	12"	7.49	6.79	6.09	5.49
100909CK	Sunon	KD2404PKS2	24	1.60 x 1.60 x 0.80	6.5	Sleeve	50	1.2	UL/CSA/TUV/CE	25.5	12"	7.95	7.16	6.44	5.36
421518CK	Panasonic	FBA06T24H	24	2.36 x 2.36 x 0.60	16.6	Sleeve	110	1.99	UL/CSA	32	11"	8.09	7.03	6.31	5.70
140661CK	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	5.95	5.36	4.28	3.21
174107CK	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.69	4.22
189860CK	Jamicon	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
227248CK	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29

¹ 16993CK: Replacement for the PC/XT computer power supply fan

² 323897CK: Speed sensor

³ 172460CK/662661CK: Locked rotor alarm

[†] Temperature control: 162739CK (50°C, 3 leads); 163619CK (35°C)

* Manufacturer & specifications may vary

Blue Part No. = Limited Quantity Available

DC Brushless Fans continued on page 191

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

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290028CK



249287CK

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- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

Quantity SAVE



153411CK



213567CK

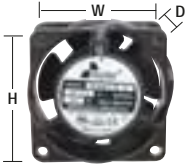
Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
290028CK	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	\$8.25	\$7.42	\$5.94	\$4.46
662653CK	Panaflo	FBO8A24M1A	24	3.15 x 3.15 x 1.00	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	7.95	5.95	4.95	4.49
136160CK	Jamicon	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.49	8.55	7.69	6.95
189886CK	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
174094CK	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	6.95	6.26	5.63	5.07
421534CK	Panasonic	FBA09A25M	24	3.63 x 3.63 x 1.06	48	Sleeve	100	2.64	UL/CSA	30	10"	6.69	5.80	4.82	3.61
249287CK	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
421622CK	Sunon	KDE2412PMS1-6A	24	4.68 x 4.68 x 1.50	107	Sleeve	160	6.7	UL/CSA/TUV/CE	41	12"	11.45	9.31	8.52	7.84
100968CK	Sunon	KDE2412PMB3-6A	24	4.68 x 4.68 x 1.50	83	Ball	140	3.4	UL/CSA/TUV/CE	35	12"	12.95	11.69	10.49	9.39
153411CK	Sunon	KD2412PMB2-6A	24	4.68 x 4.68 x 1.50	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	11.95	10.79	9.69	8.75

DC Brushless Blowers

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
422801CK	Sunon	GB1205PKV1-8AY	12	2.00 x 2.00 x 0.80	5.7	Vapo	120	1.44	UL/CSA/CE/TUV	35	12" leads	\$12.39	\$9.97	\$9.36	\$8.83
644842CK	Evercool	EC7530M12C-B	12	2.83 x 3.00 x 1.16	10.8	Sleeve	170	2.04	UL/CUL/CE/TUV	30	14" w/ conn.	15.55	10.93	10.27	9.68
614951CK	Delta	BFB0721H	12	2.98 x 2.98 x 1.20	11.3	Ball	60	0.72	UL/CSA/VDE/CE	38	12" leads	11.79	8.35	7.79	7.19
644893CK	Evercool	EC9733M12C-B	12	3.83 x 3.64 x 1.27	2.4	Sleeve	200	19.42	CE	30	14" w/ conn.	20.15	14.16	13.30	12.55
645028CK	Evercool	EC9733H12C-B	12	3.83 x 3.64 x 1.27	23.6	Sleeve	260	3.12	CE	33	14" w/ conn.	20.15	14.16	13.30	12.55
213567CK	Nidec	A34124-33	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	16.95	15.29	12.20	9.15

AC Tube Axial Fans

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213866CK



146077CK



- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 11 to 226 CFM

SALE

Fan Power Cords on Next Page





303394CK



303466CK

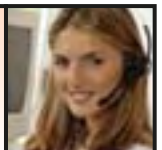
Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
213866CK	Fulltech	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$15.95	\$14.39	\$12.95	\$11.65
162704CK	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	13.95	12.55	11.64
146077CK	Common Wealth	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	12.95	11.69	10.49	9.45
300556CK	Fulltech	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300257CK	Fulltech	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	10.19	9.18	8.87	8.57
300581CK	Fulltech	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.59	8.64	8.35	8.06
300302CK	Fulltech	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	10.55	9.50	9.19	8.87
300329CK	Fulltech	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300599CK	Fulltech	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	11.39	10.26	9.59	9.09
300388CK	Fulltech	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
297932CK	Fulltech	UF80A11SWH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	12" leads	10.19	9.18	8.99	8.57
303386CK	Fulltech	UF80A11STH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	Terminals	9.19	8.25	7.98	7.69
303394CK	Fulltech	UF80A11STL	115	3.15 x 3.15 x 1.50	25	Sleeve	100	11.5	UL/CUL/TUV/CE	32	Terminals	9.19	8.25	7.89	7.69
75459CK	Sunon	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65
75432CK	Sunon	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	13.55	12.19	10.99	9.85
303466CK	Sunon	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	15.95	14.39	12.95	11.65

Blue Part No. = Limited Quantity Available

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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AC Tube Axial Fans



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New Sale Lower\$ QtySave



212599CK



275792CK



Call for additional OEM PRICING – we carry major manufacturers.

- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 11 to 226 CFM



206308CK



209365CK

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
124062CK	Sunon	SP101AT1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	\$13.49	\$10.95	\$9.89	\$9.19
303407CK	Sunon	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	14.95	13.95	12.95	11.95
303415CK	Common Wealth	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.29	13.75	12.39
303482CK	Fulltech	UF12A11SWL	115	4.68 x 4.68 x 1.50	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.85	11.54	10.77	10.23
303440CK	Fulltech	UF12A11BWL1	115	4.68 x 4.68 x 1.50	64	Ball	80	115	UL/CSA/TUV/CE	37	12" leads	13.45	12.15	10.95	9.85
303360CK	Fulltech	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
300791CK	Fulltech	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111894CK	Common Wealth	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	14.75	13.19	11.95	10.79
106585CK	Common Wealth	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	15.95	14.39	12.95	11.65
16934CK	Common Wealth	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	15.29	13.75	12.39
212599CK	Fulltech	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	12.95	11.95	10.95	9.95
275792CK	Sunon	SP101A-1123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CUL/CE	50	Terminals	13.45	11.21	9.88	9.19
206308CK	Adda	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.46	10.76	8.07
102883CK	Sunon	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
108724CK	Fulltech	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	27.95	25.16	20.12	17.91
212581CK	Fulltech	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	25.65	23.09	20.68	19.65
189683CK	Fulltech	UF15PC11BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	29.95	26.96	21.56	19.15
355629CK	Fulltech	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100917CK	Sunon	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	10.49	8.39	7.55	6.40
209365CK	Bi-Sonic	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	12.95	11.66	9.32	8.01
302244CK	Rotron	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	17.19	15.49	12.38	9.29
303458CK	Sunon	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102891CK	Sunon	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65

Fan Guards, Filters and Power Cords



123502CK



120037CK



31923CK/123511CK



25734CK



138561CK/196816CK



229665CK



138579CK/130104CK

Compatible with DC and AC Fans – pages 189 - 192

SALE

• All guards and filters fit all fans by matching the size dimension. Example: P/N 300556CK fan (3.15") matches P/N 31923CK metal guard (3.15").

Quantity SAVE

Part No.	Description	1	10	100	250
123502CK	1.60" metal (chrome) guard	\$.49	\$.43	\$.35	\$.26
120037CK	2.36" metal (chrome) guard	.79	.71	.59	.53
31923CK	3.15" metal (chrome) guard	.79	.65	.51	.44
123511CK	3.63" metal (chrome) guard	.99	.78	.67	.53
25734CK	4.68" metal (chrome) guard	1.09	.98	.88	.79

Part No.	Description	1	10	100	250
138561CK	3.15" plastic guard with mesh	\$1.39	\$1.25	\$1.15	\$.95
229665CK	3.63" plastic guard with mesh	1.75	1.55	1.25	.95
196816CK	4.68" plastic guard with mesh	1.95	1.55	1.39	1.25
138579CK	3.15" alum. washable filter	2.95	2.66	2.12	1.59
130104CK	4.68" alum. washable filter	3.49	3.19	2.75	2.49

Fan Power Cords: 24" Straight and Right-Angle

• Cord type: SPT-1 (2) conductor black • Voltage rating: 300V • Temperature range: 60°C • Fits all terminal fans

Part No.	Description	Length	1	10	100	250
28564CK	Straight socket cord	24"	\$.99	\$.88	\$.70	\$.62
104192CK	90° angle socket cord	24"	.99	.88	.71	.70



28564CK



104192CK



For Heat Sinks
See page 45.



Fans For Heat Sinks
See page 236.



30-Watt Open Frame, Low Leakage

MPS-30 Series: Single Output

- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- -10°C to + 50°C working temperature
- See www.Jameco.com for specs.
- Load regulation: $\pm 1.0\%$
- Line regulation: $\pm 1.0\%$
- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- Mounting holes: 3.74"L x 2.02"W x 0.12"Dia.
- 2.9 watts/in³ maximum
- Mating connectors: P/Ns 104723CK & 104432CK, pg 126
- Three-year warranty • Weight: 0.3 lbs.
- Size: 4.0"L x 2.59"W x 0.98"H



The Mean Well MPS-30 medical power supplies are low cost, high reliability open frame power supplies that feature a low leakage current of 0.3mA@240VAC. Other features of this open frame power supply are: universal input of 88-264VAC as well as 120-370VDC for battery-supported applications. Protections include short-circuit, overload, and over-voltage. They are UL and TUV approved, and carry a CE mark for use worldwide.

45 & 65-Watt Open Frame, Low Leakage

MPS-45 & MPS-65 Series: Single Output

- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- Isolation voltage: 4000VAC
- 2.9 watts/in³ max.
- Voltage adjustment: 10%
- -10°C to + 60°C working temperature
- See www.Jameco.com for specs.
- Leakage current: 0.3mA @ 240V
- Inrush current: 20A @ 120VAC
- Line regulation: $\pm 1.0\%$
- Load regulation: $\pm 2.0\%$, except 221057CK, 221145CK: $\pm 3.0\%$
- Soft-start circuit, limiting AC surge current
- Mating connectors: P/Ns 104432CK and 104731CK, pg 126
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty • Weight: 0.6 lbs.
- Size: MPS-45: 5.0"L x 3.0"W x 1.06"H; MPS-65: 5.0"L x 3.0"W x 1.65"H



The MeanWell MPS-45 & MPS-65 medical power supplies are low cost, high reliability open frame power supplies. Other features of these power supplies are: universal input of 88-264VAC, as well as 120-370VDC for battery-applications. Full rated power is available with 18CFM forced air convection applied. Protections include short-circuit, overload, and over-voltage.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
220986CK	Mean Well	MPS-30-12	+12V@0-2.5A	30.0W	88-264@47-63	120	UL/CUL/TUV/CE	\$34.95	\$31.46	\$28.31
221057CK	Mean Well	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	27.79
221065CK	Mean Well	MPS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221081CK	Mean Well	MPS-45-15	+15V@0-3A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221090CK	Mean Well	MPS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	22.25	20.25	18.39
221111CK	Mean Well	MPS-45-48	+48V@0-1A	48.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221145CK	Mean Well	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221153CK	Mean Well	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221161CK	Mean Well	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	33.95	29.59	25.75
221188CK	Mean Well	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	30.56	22.92
221209CK	Mean Well	MPS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	24.29

* Primary Output

Blue Part No. = Limited Quantity Available

Call for special versions and large quantities

See page 215 for Medical Table-Top and Wall Switching AC-to-DC Power Supplies

3-Conductor Power Cords

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C



See pgs 226 & 227 for more Power Cords

With Pigtails								Cord w/ Pigtail (Fig. 1)				Hospital Grade (Fig. 2)			
Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	1	10	50	100	1	10	50	100
38009CK	17237	.31	1	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29				
37997CK	17236	.30	1	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99				
With Hospital Grade Male (green dot)															
132011CK	17006G	.82	2	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16				
265412CK	EXITOW	.70	2	10'	Gray	18/3	SJT	7.35	6.65	5.95	5.39				
115078CK	17006	.84	2	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55				

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!



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Ultraminiature 5 to 20-Watt Power Supplies

- Working temp.: -10 to 60°C
- UL/CUL/TUV/CE
- High reliability, low-cost
- Free air cooling convection
- Universal AC input/full range
- Short circuit/overload/over-voltage/over-temperature protection
- 100% full burn-in test
- Fixed switching frequency @ 100kHz
- Two year warranty



5-Watt OFM-5000 Series

- Size: 2.28"L x 1.77"W x 0.83"H
- Inrush current: 20A @ 115VAC
- Pin-mount



10-Watt OFM-0100 Series

- Size: 2.56"W x 1.77"L x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount



15-Watt OFM-1500 Series

- Size: 2.76"L x 1.89"W x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount



20-Watt OFM-0200 Series

- Size: 3.50"L x 2.00"W x 0.78"H
- Inrush current: 25A @ 115VAC
- Chassis mount

Jameco Part No.	Cross Ref. Number	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing		
		Voltage@Current (min-max)	Power				1	10	25
300281CK	OFM-5001	+5V@0-1A	5W	±2%	±0.5%	50	\$30.39	\$28.50	\$27.08
300409CK	OFM-5002	+12V@0-0.42A	5W	±1%	±0.3%	150	27.35	25.65	24.35
300417CK	OFM-5003	+15V@0-0.33A	5W	±1%	±0.3%	150	30.39	25.85	19.39
300425CK	OFM-5005	+24V@0-0.23A	5W	±0.5%	±0.2%	240	27.35	25.65	24.35
300433CK	OFM-0101	+5V@0-2A	10W	±2%	±0.5%	50	32.45	30.75	29.19
300441CK	OFM-0102	+12V@0-0.85A	10W	±1%	±0.3%	180	30.69	29.09	27.65
300450CK	OFM-0103	+15V@0-0.67A	10W	±1%	±0.3%	180	30.69	29.09	27.65
300468CK	OFM-0105	+24V@0-0.42A	10W	±0.5%	±0.2%	240	30.69	29.09	27.65
300476CK	OFM-1501	+5V@0-3A	15W	±2%	±0.5%	60	36.79	34.19	32.49
300484CK	OFM-1502	+12V@0-1.25A	15W	±1%	±0.3%	150	40.85	34.75	26.05
300492CK	OFM-1503	+15V@0-1.0A	15W	±1%	±0.3%	150	36.79	34.19	32.49
300505CK	OFM-1505	+24V@0-0.63A	15W	±0.5%	±0.2%	240	36.79	34.19	32.49
300513CK	OFM-0201	+5V@0-4.4A	20W	±2%	±0.5%	50	39.35	36.79	34.95
300521CK	OFM-0202	+12V@0-1.8A	20W	±1%	±0.3%	150	43.69	40.85	38.81
300530CK	OFM-0203	+15V@0-1.4A	20W	±1%	±0.3%	150	43.69	37.15	27.85
300548CK	OFM-0205	+24V@0-0.92A	20W	±0.5%	±0.2%	240	49.39	46.19	43.85

Blue Part No. = Limited Quantity Available

15 & 25-Watt Open Frame

Enclosed Power Supplies on pages 199-206.

PSA15 & PSA25 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Isolation voltage: 3,000 VAC
- Inrush current: 30A @ 120VAC
- Universal input
- Size: 4.33"L x 1.57"W x 0.91"H, except 230535CK 3.6"L x 2.5"W x 1.1"H
- Line regulation: ±1.0%
- Voltage adjustment: 5% (PSA15 only)
- Temperature: 0° to +40°C
- One-year warranty



PSA25



PSA15



Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
229041CK	Phihong	PSA15LN3-050	+5V@0-3A	15W	90-264@47-63	50	UL/CUL/TUV/CE	\$19.95	\$18.95	\$18.19
229059CK	Phihong	PSA15LN3-120	+12V@0-1.25A	15W	90-264@47-63	120	UL/CUL/TUV/CE	19.95	18.95	18.19
230535CK	Phihong	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25W	90-264@47-63	50	UL/CUL/TUV/CE	27.15	23.29	21.85

* Primary Output

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. Just call us! 1-800-831-4242

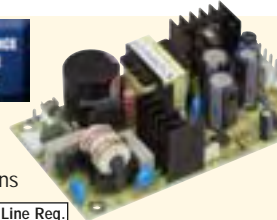
25-Watt Open Frame

PS-25 & PD-25 Series: Single & Dual Outputs

- 100% full-load burn-in
- Inrush current: 40A @ 120VAC
- Size: 4.20"L x 2.40"W x 1.10"H
- -10°C to +60°C working temp
- Universal AC input
- Two-year warranty
- See www.Jameco.com for specifications

Part Number	Load Reg. (±%)	Line Reg. (±%)	Part Number	Load Reg. (±%)*	Line Reg. (±%)*	Part Number	Load Reg. (±%)*	Line Reg. (±%)*
212361CK	2.5	0.5	216768CK	1.0	0.3	212337CK	1.0	0.5
212353CK	2.0	0.5	212345CK	0.5	0.2	212329CK	1.0	0.5
392825CK	2.0	0.5	392817CK	0.5	0.2	394249CK	4.0	2.0
148603CK	1.0	0.3	212311CK	4.0	1.0	148689CK	3.0	0.5
392809CK	1.0	0.3						

* Primary Output



40-Watt Open Frame

NFS-40 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- 50 watts with 20 CFM of air
- No minimum load required
- Load regulation: ±2.0%
- Line regulation: ±0.2%
- Inrush current: 12A @ 120VAC
- 0° to +70°C working temperature
- See www.Jameco.com for specifications
- Voltage adjustment: 5%
- Mating connectors: P/Ns 104432CK & 104731CK, pg 126
- Size: 5.0"L x 3.0"W x 1.2"H
- Two-year warranty



25-Watt Open Frame

NLP-25 Series: Single & Triple Outputs

- 100% full-load burn-in
- 3.3 watts/in³ maximum
- Load regulation: ±2.0%
- 0°C to +50°C working temperature
- Size: 4.0"L x 2.07"W x 0.91"H
- See www.Jameco.com for specifications
- Universal AC input
- Line regulation: ±2.0%
- Two-year warranty

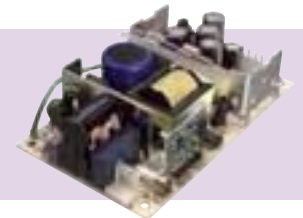


Call for special versions and large quantities

45-Watt Open Frame

PSA45 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Inrush current: 20A @ 120VAC
- Size: 5.0"L x 3.0"W x 1.2"H
- Line regulation: ±2.0%
- Temperature: 0° to +50°C
- Weight: 0.9 lbs.
- Universal input
- One-year warranty



Enclosed Power Supplies on pages 199-206.

For Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
212361CK	Mean Well	PS-25-3.3	+3.3V@0-5A	16.5W	85-264@47-63	80	UL/CUL/TUV/CE	\$17.95	\$16.95	\$16.19
212353CK	Mean Well	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
392825CK	Mean Well	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
148603CK	Mean Well	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
392809CK	Mean Well	PS-25-13.5	+13.5V@0-1.9A	25.7W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
216768CK	Mean Well	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	16.95	16.10	15.30
212345CK	Mean Well	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
392817CK	Mean Well	PS-25-27	+27V@0-0.9A	24.3W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
212311CK	Mean Well	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	19.95	18.95	17.95
212337CK	Mean Well	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
212329CK	Mean Well	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
394249CK	Mean Well	PD-2503	+3.3V@0.2-5A; +5V@0.1-4A	24.9W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
148689CK	Mean Well	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
229075CK	Phihong	PSA45-050	+5V@0-8A	40.0W	90-264@47-63	50	UL/CSA/TUV/CE	22.99	21.83	20.74
229091CK	Phihong	PSA45-120	+12V@0-4A	48.0W	90-264@47-63	120	UL/CSA/TUV/CE	26.95	25.65	24.35
229121CK	Phihong	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	31.95	28.79	25.89
229139CK	Phihong	PSA4534	+5V@0-4A; +15V@0-1.2A; -15V@0-0.5A	45.5W	90-264@47-63	50	UL/CSA/TUV/CE	35.59	32.55	29.49

* Primary Output

Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty



Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
218499CK	Artesyn	NLP25-7624	+24V@0-1.04A	25.0W	85-264@47-440	4.0x2.1x0.9	3.7x1.8x0.13	150	2.0	2.0	UL/CSA/DE/CE	\$28.95	\$26.32	\$23.92
218501CK	Artesyn	NLP25-7608	+5V@0.2-2A; +12V@0.1-0.8A; -12V@0-0.1A	20.8W	90-264@47-440	4.0x2.1x0.9	3.7x1.8x0.13	50	2.0	2.0	UL/CSA/DE/CE	29.09	26.45	24.05
218510CK	Artesyn	NFS40-7605	+5.1V@0-6A	30.6W	85-264@47-440	5.0x3.0x1.2	4.6x2.6x0.16	100	2.0	0.2	UL/CSA/DE/CE	\$34.79	17.05	15.35
218528CK	Artesyn	NFS40-7612	+12V@0-3.3A	39.6W	85-264@47-440	5.0x3.0x1.2	4.6x2.6x0.16	120	2.0	0.2	UL/CSA/DE/CE	\$34.79	17.05	15.35
218536CK	Artesyn	NFS40-7624	+24V@0-1.6A	38.4W	85-264@47-440	5.0x3.0x1.2	4.6x2.6x0.16	240	2.0	0.2	UL/CSA/DE/CE	\$34.79	17.05	15.35
210841CK	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	\$34.79	17.95	15.29
664270CK	Power-One	MAP40-3100	+5V@3A; +12V@2A; -12V@0.3A	40.0W	85-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	50	2.0	0.2	UL/CSA/TUV/CE	39.95	34.95	29.95
622539CK	Phihong	PSA-4034	+5.1V@5-3A; +15V@2-2A; -15@0.5A	40.0W	90-264@47-63	5.0x3.0x1.2	4.5x2.6x0.16	50	—	—	UL/CSA/DE/CE	24.95	22.45	20.25

* Primary Output

Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

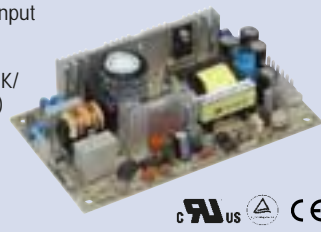
45 to 65-Watt Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

45-Watt Open Frame

PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

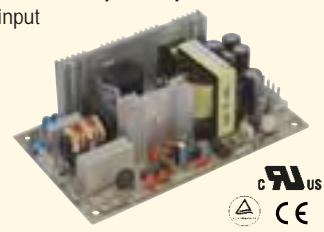
- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Load regulation: $\pm 3.0\%$ (except 213727CK/213719CK/374352CK/374361CK: $\pm 2.0\%$)
- Line regulation: $\pm 1.0\%$
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.06"H
- -10° to +60°C working temperature
- See www.Jameco.com for specifications



65-Watt Open Frame

PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Line & load regulation: ± 1.0 to $\pm 4.0\%$
- -10°C to +60°C working temperature
- See www.Jameco.com for specifications
- In-rush current: 20A @ 120VAC
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.



65-Watt Open Frame

- 100% full burn-in tested
- Short circuit/overload/over-voltage protection
- Line regulation: $\pm 1.0\%$
- Working temperature: -20°C to +60°C
- Two-year warranty
- Mating connectors: P/Ns 236152CK & 236187CK, pg 127
- Universal AC input
- Input: 90-264VAC @ 47-440Hz; 127-370VDC
- Load regulation: $\pm 2.0\%$
- Size: 5.0"L x 2.0"W x 1.1"H
- See www.Jameco.com for specifications

RPD-65 Series: Dual Output • 60W free air convection; 77W with 18 CFM forced air

RPT-65 Series: Triple Output • 60W free air convection; 77W with 18 CFM forced air



NEW



Enclosed Power Supplies
on pages 199-206.

For Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
217331CK	Mean Well	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	\$22.95	\$19.51	\$17.29
213727CK	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
374352CK	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
213719CK	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
374361CK	Mean Well	PS-45-27	+27V@0-1.95A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
194861CK	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
194870CK	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
88401CK	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	29.95	23.09	20.89
201937CK	Mean Well	PS-65-5	+5V@0-12A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
148638CK	Mean Well	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
374379CK	Mean Well	PS-65-13.5	+13.5V@0-5.4A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
216750CK	Mean Well	PS-65-15	+15V@0-4.2A	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	24.95	21.21	15.91
148646CK	Mean Well	PS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201945CK	Mean Well	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201953CK	Mean Well	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
194888CK	Mean Well	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
194896CK	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
216733CK	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
216725CK	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
394222CK	Mean Well	PT-6503	+3.3V@0-7A; +5V@0.2-10A; +12V@0-1.2A	61.8W	90-264@47-63	50	UL/CUL/TUV/CE	51.35	48.45	45.99
668781CK	Mean Well	RPD-65C	+5V@0-1.5A; +12V@0-5.8A	60.0W	90-264@47-440	120	UL/CUL/TUV/CE/CB	35.35	33.19	31.35
668799CK	Mean Well	RPD-65D	+5V@0-1.5A; +24V@0-2.9A	60.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	35.35	33.19	31.35
668801CK	Mean Well	RPT-65E	+5V@0-1.5A; +12V@0.18-5.8A; -5V@0-0.7A	62.5W	90-264@47-440	120	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668810CK	Mean Well	RPT-65F	+5V@0-1.5A; +12V@0.18-5.8A; -12V@0-0.7A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668828CK	Mean Well	RPT-65G	+5V@0-1.5A; +12V@0-0.7A; +24V@0.09-2.9A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxDia.)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
218561CK	Artesyn	NLP65-7605	+5V@0-13A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/DE/CE	\$45.95 \$4.89	\$4.39	\$3.95
218579CK	Artesyn	NLP65-7612	+12V@0-5.4A	64.8W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/DE/CE	\$48.99 \$18.95	16.11	15.31
218595CK	Artesyn	NLP65-9612	+12V@0-5.4A	64.8W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/DE/CE	\$57.99 \$18.35	16.11	15.30
169068CK	Autec	UPS65-1051	+5V@0.2-13A	65.0W	115/230@50-60	6.0x3.5x1.5	4.8x3.2x0.16	50	1.0	0.5	UL/CSA/DE	4.89	4.16	3.12
171731CK	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A;	65.0W	90-270@47-63	5.8x3.3x1.4	—	50	2.0	2.0	UL/CUL/TUV	7.95	6.76	(5.07)
196824CK	Encad	U006612010	+5.2V@3A; +24V@2A	65.0W	90-250@50-60	6.3x3.9x1.5	—	—	—	—	UL/CUL/TUV	15.95	14.36	12.71
235088CK	Artesyn	NLP65-7629	+5V@0-7A; +12V@0-2.5A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/CE	28.35	25.75	23.45
218587CK	Artesyn	NLP65-7608	+5V@0-7.5A; +12V@0-2.5A; -12V@0-0.65A	75.3W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/DE/CE	\$49.45 \$2.35	27.49	26.12

* Primary Output

Blue Part No. = Limited Quantity Available

RoHS compliant product

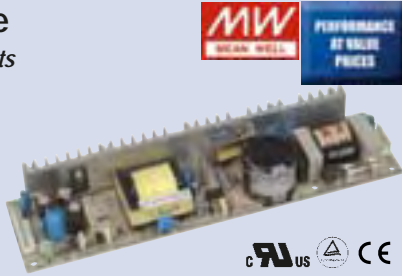
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

This product has a RoHS equivalent, manufacturer may vary.

75-Watt Open Frame

LPS-75 Series: Single Outputs

- 100% full-load burn-in
- Universal AC input
- Built-in remote ON/OFF
- Line regulation: $\pm 1.0\%$
- Load regulation: $\pm 2.0\%$
- Voltage adjustment: 10%
- Inrush current: 24A @ 120VAC
- -20°C to +60°C working temp.
- Two-year warranty
- Size: 8.74"L x 2.16"W x 1.18"H • Weight: 0.5 lbs.
- See www.Jameco.com for specifications



100-Watt Open Frame with Power Factor Correction

LPP-100 Series: Single Output

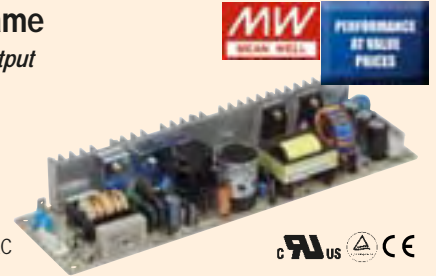
- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 4.4 watts/in² maximum
- Load regulation: $\pm 0.5\%$
- Line regulation: $\pm 0.5\%$
- Isolation voltage: 3000VAC
- Inrush current: 40A @ 120VAC
- Voltage adjustment: 10% • Leakage current: 2.0mA @ 240V
- Three-year warranty • Weight: 0.8 lbs. • Size: 8.75"L x 2.44"W x 1.25"H
- Mounting holes: 8.34"L x 2.04"W x 0.13"Dia.
- Mating connectors: P/Ns 215950CK & 215976CK, pg 126
- -10°C to +60°C working temperature • See www.Jameco.com for specifications



100-Watt Open Frame

LPS-100 Series: Single Output

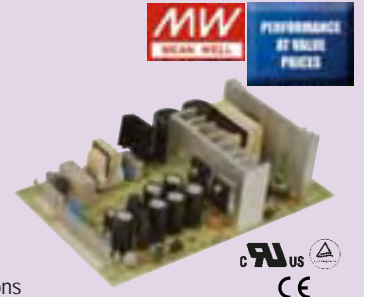
- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- Load regulation: $\pm 1.5\%$, except 173462CK: $\pm 0.5\%$
- Line regulation: $\pm 0.5\%$
- Voltage adjustment: 10%
- Inrush current: 30A @ 120VAC
- Three-year warranty
- Size: 8.74"L x 2.44" x 1.25"W • Weight: 0.8 lbs.
- -10°C to +60°C working temperature • See www.Jameco.com for specifications



110-Watt Open Frame

PD-110B: Dual Output

- 100% full-load burn-in
- Universal AC input
- Cooling by free air convection
- Load and line regulation: $\pm 1.0\%$
- Ripple and noise: 100mVp-p
- Short circuit/overload/over-voltage protection
- Size: 7.0"L x 4.3"W x 1.8"H
- Working temperature: -10°C to +50°C
- See www.Jameco.com for specifications












Save Big! Special Values!

Sale Priced Items = Yellow Exceptional Quantity Discounts = Green










Enclosed Power Supplies on pages 199-206.

For Complete Specifications visit www.Jameco.com.

on pages 199-208.

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing			
			Voltage@Current (min-max)	Power				1	10	25	
244726CK	Mean Well 	LPS-75-24	+24V@0-3.5A		76.8W	90-264@47-63	120	UL/CUL/TUV/CE	\$34.95	\$31.45	\$28.31
173471CK	Mean Well 	LPS-100-12	+12V@0-8.4A		100.8W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
374344CK	Mean Well 	LPS-100-13.5	+13.5V@0-7.5A		101.3W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
173462CK	Mean Well 	LPS-100-24	+24V@0-4.2A		100.8W	88-264@47-63	150	UL/CUL/TUV/CE	52.95	48.39	42.89
216709CK	Mean Well 	LPS-100-48	+48V@0-2.1A		100.8W	88-264@47-63	200	UL/CUL/TUV/CE	52.95	48.39	42.89
216688CK	Mean Well 	LPP-100-12	+12V@0-8.5A		102.0W	85-264@47-63	100	UL/CUL/TUV/CE	57.39	51.65	46.49
204610CK	Mean Well 	LPP-100-24	+24V@0-4.2A		100.8W	85-264@47-63	150	UL/CUL/TUV/CE	64.95	55.21	41.41
375056CK	Mean Well 	PD-110B	+5V@0.5-5A; +24V@0.5-3.5A		109.0W	100-264@47-63	100	UL/CUL/TUV/CE	62.69	58.90	55.96

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty												SALE	Quantity SAVE		
Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing			
			Voltage@Current (min-max)	Power								1	10	25	
226211CK	Phihong 	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	\$29.95	\$25.46	\$19.09	
215706CK	Mean Well 	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.5	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	24.95	22.45	20.19	
229850CK	IPD Power 	SRW-65-3003	+5V@5A; +15V@3.5A; -15V@1A	65.0W	85-264@47-63	6.0x4.0x1.1	5.7x3.5x0.15	50	1.0	—	UL/CUL/TUV/CE	22.95	19.51	14.63	
218915CK	Artesyn 	NLP110-9605	+5V@0.5-15A	75.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	\$45.85	19.95	17.95	
218923CK	Artesyn 	NLP110-9612	+12V@0.3-6.4A	76.8W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/VDE	\$59.95	17.99	15.26	
218931CK	Artesyn 	NLP110-9624	+24V@0.2-3.2A	76.8W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	240	2.0	2.0	UL/CUL/CSA/VDE	\$61.25	46.79	40.30	
202876CK	Power-One	MAP80-4003	+5V@14A; +15V@3.5A; -5V@1A; -15V@1A	80.0W	100-230@47-63	7.2x4.3x1.8	6.7x3.2x0.17	50	1.0	0.2	UL/CSA/TUV/CE	19.95	16.96	12.72	
237024CK	Lite-On 	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	16.96	12.72	
218940CK	Artesyn 	NLP110-9693	+3.3V@0.2-13A; +5V@0.5-13A; +12V@0-0.65A	110.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	\$61.25	40.45	35.95	
218958CK	Artesyn	NLP110-9608	+5V@0.2-13A; +12V@0.2-6.5A; -12V@0-0.65A	110.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/VDE	\$61.85	47.19	42.49	
645298CK	Mean Well 	PQ-100DTR	+5V@5A; +12V@2A; +24V@2A; -12V@.3A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	—	44.95	39.95	29.95	

* Primary Output Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com

125-Watt Open Frame with Power Factor Correction

- 100% full-load burn-in
- Universal AC input
- Line regulation: $\pm 0.5\%$
- Size: 5.0"L x 2.4"W x 1.4"H
- See www.Jameco.com for specifications

PPS-125 Series: Single Output

- Load regulation: $\pm 1.0\%$
- -40° to +85°C working temperature

PPT-125 Series: Triple Output

- Load regulation: $\pm 3.0\%$
- -20° to +60°C working temperature



150-Watt Open Frame with Power Factor Correction

LPP-150 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Line regulation: $\pm 0.5\%$
- Auto-switch AC input
- Load regulation: 213680CK, 375064CK & 392770CK: $\pm 1.0\%$; 213671CK, 216645CK & 392788CK: $\pm 0.5\%$
- Mating connectors: P/N 215950CK & 215968CK, pg 126
- -10°C to +60°C working temp.
- Three-year warranty
- Size: 8.74"L x 2.95"W x 1.61"H
- See www.Jameco.com for specifications



200-Watt Open Frame with Power Factor Correction

PPS-200 Series: Single Output

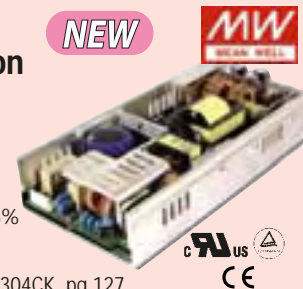
- High efficiency up to 90% (typical)
- PWM control & regulated
- Free air convection for 150W;
- 20.5 CFM forced air for 200W
- Load regulation: $\pm 1.0\%$; Line regulation: $\pm 0.5\%$
- Short circuit/overload/over-voltage protection
- Mating connectors: P/N 236152CK & 236208CK, pg 127
- Working temperature: -20°C to +70°C (see www.Jameco.com for specifications)
- Size: 5.0"L x 3.0"W x 1.4"H
- Three-year warranty



350-Watt Open Frame with Power Factor Correction

USP-350 Series: Single Output

- Universal AC input/full range
- Free air convection for 300W;
- 23.5 CFM forced air for 350W
- Air surge current limiting
- Load regulation: $\pm 1.0\%$; Line regulation: $\pm 0.5\%$
- Short circuit/overload/over-voltage over-temperature protection
- Mating connectors: P/N 236267CK & (2) 236304CK, pg 127
- Working temperature: -10°C to +65°C (see www.Jameco.com for specifications)
- Size: 9.3"L x 4.0"W x 1.5"H
- Three-year warranty



Enclosed Power Supplies on pages 199-206.

For Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
374088CK	Mean Well	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	\$93.99	\$79.84	\$74.45
374096CK	Mean Well	PPS-125-15	+15V@0-8.4A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	93.99	79.84	74.45
301428CK	Mean Well	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	150	UL/CUL/TUV/CE	93.99	79.84	74.45
301479CK	Mean Well	PPS-125-48	+48V@0-2.6A	124.8W	90-264@47-63	250	UL/CUL/TUV/CE	93.99	79.84	74.45
301487CK	Mean Well	PPT-125B	+5V@1-14.4A; +12V@.3-3.8A; -12V@.05-.63A	124.5W	90-264@47-63	100	UL/CUL/TUV/CE	103.55	79.86	74.45
301495CK	Mean Well	PPT-125C	+5V@1-13.8A; +15V@.25-3.1A; -15V@.05-.63A	125.1W	90-264@47-63	100	UL/CUL/TUV/CE	87.19	74.11	55.58
213680CK	Mean Well	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
392770CK	Mean Well	LPP-150-13.5	+13.5V@0-11.2A	151.2W	85-264@47-63	100	UL/CUL/TUV/CE	69.95	53.89	47.29
375064CK	Mean Well	LPP-150-15	+15V@0-10.0A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
213671CK	Mean Well	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	150	UL/CUL/TUV/CE	68.45	64.60	61.37
392788CK	Mean Well	LPP-150-27	+27V@0-5.6A	151.2W	85-264@47-63	150	UL/CUL/TUV/CE	69.95	53.89	47.29
216645CK	Mean Well	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	250	UL/CUL/TUV/CE	68.45	64.60	61.37
668705CK	Mean Well	PPS-200-5	+5V@0-36A	180.0W	90-264@47-63	80	UL/CUL/TUV/CE	109.89	99.69	94.15
668713CK	Mean Well	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	105.89	99.69	94.15
668721CK	Mean Well	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	158.95	149.65	141.35
668730CK	Mean Well	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65	141.35
668748CK	Mean Well	PPS-200-27	+27V@0-7.4A	199.8W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65	141.35
668756CK	Mean Well	USP-350-48	+48V@0-7.3A	300.0W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65	141.35

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Mfr.	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
670813CK	Intl. Power	PM110-13A	+15V@0-7.5A	110.0W	85-264@47-63	7.0x4.3x1.9	6.5x3.8x0.16	15	—	—	UL/CSA/TUV	\$59.95	\$53.95	\$45.95
218982CK	Artesyn	NFS110-7612	+12V@0-9A	108.0W	85-264@47-440	7.0x4.3x1.8	6.6x3.8x0.16	120	2.0	0.1	UL/CUL/CSA/VDE/CE	\$85.55	57.48	53.60
218991CK	Artesyn	NLP150L-96S3	+3.3V@1-22A	72.6W	90-264@47-63	6.8x3.8x1.3	6.5x3.5x0.16	50	2.0	2.0	UL/CSA/VDE/CE	\$62.35	18.21	15.83
219011CK	Artesyn	NLP150L-96S5	+5.1V@1-22A	112.2W	90-264@47-63	6.8x3.8x1.3	6.5x3.5x0.16	50	2.0	2.0	UL/CSA/VDE/CE	\$62.35	25.29	21.99
219002CK	Artesyn	NLP150L-96S8	+24V@0.15-4.6A	110.4W	90-264@47-63	6.8x3.8x1.3	6.5x3.5x0.16	240	2.0	2.0	UL/CSA/VDE/CE	\$72.15	39.55	32.05
196795CK	Cherokee	QP2A2-1A-A	+5V@40A; +12V@2.5A	230.0W	115/230@50-60	10.0x4.3x2.5	7.5x3.0x0.15	50	0.25	0.25	TUV	11.95	10.16	7.62
196461CK	TODD	MAX3541205AC	+5V@50A; +12V@12A; -5V@2A; -12V@4A	350.0W	115/230@50-60	9.0x5.0x2.5	6.5x3.9x0.08	50	1.0	1.0	TUV	47.95	40.79	30.59

♣ Pull = Extra Savings * Primary Output ⚡ Blue Part No. = Limited Quantity Available

♻️ RoHS compliant product 🌱 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Committed to You

We're committed to providing you with the best service in the industry.

25-Watt Enclosed

RS-25 Series: Single Output

- New smaller design: 3.0" x 2" x 1.1"
- 3.66 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70°C
- Mating connector: 103587CK, pg 149
- Three-year warranty



25-Watt Enclosed

S-25 Series: Single Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- 1.2 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: 103587CK, pg 149
- -10°C to +60°C working temperature
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CK, 222156CK, 222172CK & 222164CK
- Two-year warranty



35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output

- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70°C
- Mating connector: 103587CK, pg 149
- Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CK, 222156CK & 222172CK
- Two-year warranty





Open-Frame Power Supplies
on pages 193-198.

For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
323281CK	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	\$27.55	\$23.75	\$22.59
323299CK	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
323301CK	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
323310CK	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
123246CK	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	39.95	32.10	28.90
123254CK	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123262CK	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123271CK	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
323328CK	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	34.25	28.55	27.15
323336CK	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	34.25	28.55	27.15
323344CK	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	34.25	28.55	27.15
323352CK	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	34.25	28.55	27.15
323361CK	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
323379CK	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
123289CK	Mean Well	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123297CK	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
202139CK	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123318CK	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
201988CK	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	49.95	42.46	31.84
201996CK	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90
202008CK	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90

* Primary Output

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

See pages
226 & 227 for
Power Cords



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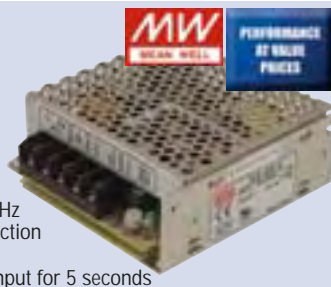
50 to 75-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

50-Watt Enclosed

**RS-50, RD-50,
RT-50, & RQ-50 Series:**
Single, Dual, Triple & Quad Output

- New smaller design: 3.9" x 3.8" x 1.4"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70°C
- Mating connector: 103587CK, pg 149
- Three-year warranty



UL US CE CB

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series:
Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- 1.7 watts/in³ maximum
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- Mounting hardware: use P/Ns 222130CK, 222156CK & 222172CK
- Two-year warranty
- See www.Jameco.com for specifications



UL US CE CB

65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series:
Dual, Triple & Quad Outputs

- New smaller design: 5.1" x 3.9" x 1.5"
- 2.2 watts/in³ power density
- 100% full-load burn-in
- 105°C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Cooling by free air convection
- High operating temperature up to 70°C
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CK, pg 149
- Three-year warranty



UL US CE CB

75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

- New smaller design: 5.1" x 3.9" x 1.5"
- 2.5 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70°C
- Mating connector: 103587CK, pg 149
- Three-year warranty



UL US CE CB

Open-Frame Power Supplies
on pages 193-198.

For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
323387CK	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	\$37.05	\$31.35	\$29.79
323395CK	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323408CK	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323416CK	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323424CK	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323432CK	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323441CK	Mean Well	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323459CK	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323467CK	Mean Well	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323475CK	Mean Well	RT-50D	+5V@0.5-5A; +12V@0.1-1A; +24V@0.2-1.5A	51.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323483CK	Mean Well	RQ-50B	+5V@0.5-6A; +12V@0.2-1.5A; -5V@0-1A; -12V@0-1A	45.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323491CK	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
123326CK	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	53.95	48.55	42.99
123334CK	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123342CK	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123351CK	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123457CK	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123465CK	Mean Well	D-60B	+5V@0.3-8A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123473CK	Mean Well	T-60A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0-0.5A	57.5W	100	1	0.5	UL/CUL/TUV/CE/CB	44.99	36.49	32.85
123481CK	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
123490CK	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
147045CK	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	59.95	49.90	44.90
323504CK	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323512CK	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323521CK	Mean Well	RT-65A	+5V@0.5-8A; +12V@0.2-3.5A; -5V@0-1A	66.1W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323539CK	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323547CK	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323555CK	Mean Well	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323563CK	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323571CK	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323580CK	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323598CK	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323601CK	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323619CK	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

75-Watt Enclosed with Power Factor Correction

SP-75 & TP-75B Series: Single & Triple Output

- 100% full-load burn-in • Universal AC input
- 2.1 watts/in³ max.
- Voltage adjustment: 10%
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- Mating connector: P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- Mounting hardware: use P/Ns 222156CK, 222164CK & 222172CK
- Three-year warranty • See www.Jameco.com for specifications



85-Watt Enclosed with Power Factor Correction

RD-85, RT-85 & RQ-85 Series: Dual, Triple & Quad Output

- New smaller design: 6.3" x 3.8" x 1.5"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitors • Three-year warranty
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection • High operating temperature up to 70°C
- Mating connector: 103587CK, pg 149 • See www.Jameco.com for specs



100-Watt Enclosed

RS-100 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- 105°C output capacitor
- Cooling by free air convection
- High operating temperature up to 70°C
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CK, pg 149 • Three-year warranty
- See www.Jameco.com for specifications



100-Watt Enclosed

S-100F Series: Single Output

- 100% full-load burn-in • 2.3 watts/in³ max.
- Voltage adjustment: 10%
- No minimum load required
- Universal AC input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- Mounting hardware: use P/Ns 222130CK, 222156CK and 222172CK • Two-year warranty
- See www.Jameco.com for specifications



100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in • Universal AC input: 86-264VAC @ 47-63Hz, 120-370VDC
- 2.3 watts/in³ maximum • Voltage adjustment: 10%
- Mating connector: P/N 103587CK, pg 149 • Three-year warranty
- -10°C to +60°C working temperature • See www.Jameco.com for specifications
- Mounting hardware use P/Ns 222130CK, 222164CK, 222156CK, 222172CK & 222181CK



Open-Frame Power Supplies
on pages 193-198.

For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
194829CK	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	\$59.95	\$53.96	\$48.56
194837CK	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194845CK	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194853CK	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
216805CK	Mean Well	SP-75-48	+48V@0-1.6A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	62.95	51.75
375048CK	Mean Well	TP-75B	+5V@1.5-10A; +12V@0.2-4A; -12V@0-0.6A	75.8W	100	3	1	UL/CUL/TUV/CE/CB	78.85	74.10	70.40
323627CK	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323635CK	Mean Well	RD-85B	+5V@2-10A; +24V@0.3-2.5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323643CK	Mean Well	RT-85A	+5V@2-10A; +12V@0.3-4A; -5V@0-1A	84.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323651CK	Mean Well	RT-85B	+5V@2-10A; +12V@0.3-4A; -12V@0-1A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323660CK	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323678CK	Mean Well	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323686CK	Mean Well	RQ-85B	+5V@2-10A; +12V@0.3-4A; -5V@0-1A; -12V@0-1A	80.7W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323694CK	Mean Well	RQ-85D	+5V@2-10A; +12V@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323707CK	Mean Well	RS-100-5	+5V@0-16A	80.0W	80	1	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323715CK	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323723CK	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323731CK	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
201961CK	Mean Well	S-100F-5	+5V@0-20A	100.0W	100	1	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
374918CK	Mean Well	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123385CK	Mean Well	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
212450CK	Mean Well	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
201970CK	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
216792CK	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	37.43
194790CK	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
194802CK	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212433CK	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	47.89	43.54	39.58
194811CK	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	76.46	67.70
394169CK	Mean Well	SP-100-27	+27V@0-3.8A	102.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
213778CK	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	118.95	106.95	96.35

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

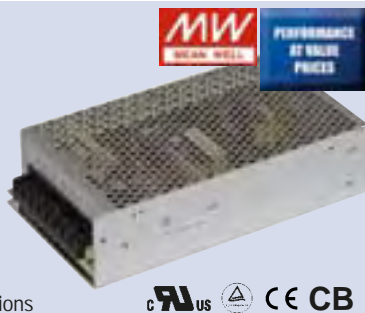
120 to 150-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

120-Watt Enclosed

D-120, T-120 & Q-120 Series:
Dual, Triple & Quad Outputs

- 100% full-load burn-in
- Mating connector:
P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- Mounting hardware:
use P/Ns 222130CK,
222156CK and 222172CK
- Two-year warranty
- See www.Jameco.com for specifications

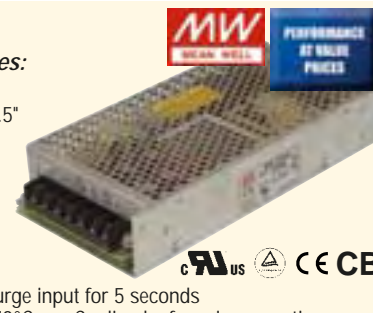


MW MEAN WELL
PERFORMANCE AT VALUE PRICES
UL US CE CB

125-Watt Enclosed

RD-125, RT-125 & RQ-125 Series:
Dual, Triple & Quad Output

- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- 105°C output capacitors
- Universal AC input:
88-264VAC @ 47-63Hz
- Short circuit/overload/
over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- Cooling by free air convection
- Mating connector: 103587CK, pg 149
- Three-year warranty
- See www.Jameco.com for specifications



MW MEAN WELL
PERFORMANCE AT VALUE PRICES
UL US CE CB

150-Watt Enclosed

RS-150 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
- 3.3 watts/in³ power density
- 100% full-load burn-in
- 105°C output capacitor
- Cooling by free air convection
- High operating
temperature up to 70°C
- Universal AC input:
88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC
surge input for 5 seconds
- Mating connector: 103587CK, pg 149
- Three-year warranty



MW MEAN WELL
PERFORMANCE AT VALUE PRICES
UL US CE CB

150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- No minimum load required
- Voltage adj.: 10%
- Mating connector:
P/N 103587CK, pg 149
- Input: 88-132/176-264 @ 47-63Hz
- -10° to +60°C working temperature
- Mounting hardware: use P/Ns 222130CK,
222156CK & 222172CK
- Two-year warranty
- See www.Jameco.com for specifications



MW MEAN WELL
PERFORMANCE AT VALUE PRICES
UL US CE CB

Open-Frame Power Supplies
on pages 193-198.

For PC Power Supplies, see page 247.

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)*	Line Reg. (%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
132409CK	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	\$69.95	\$59.46	\$44.59
132396CK	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	59.46	44.59
301508CK	Mean Well	T-120B	+5V@2-12A; +12V@0.5-5A; -12V@0.2-1A	121.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
301516CK	Mean Well	T-120C	+5V@2-12A; +15V@0.5-5A; -15V@0.2-1A	117.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
132388CK	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09
132370CK	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09
323740CK	Mean Well	RD-125A	+5V@2-15A; +12V@0.5-10A	130.9W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323758CK	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323766CK	Mean Well	RT-125A	+5V@2-15A; +12V@0.5-6A; -5V@0.1-1A	131.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323774CK	Mean Well	RT-125B	+5V@2-15A; +12V@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323782CK	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323791CK	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323803CK	Mean Well	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323811CK	Mean Well	RQ-125D	+5V@2-12A; +12V@0.5-4A; +24V@0.1-2.5A; -12V@0-1A	124.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323820CK	Mean Well	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323838CK	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323846CK	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323854CK	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323862CK	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
123393CK	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123414CK	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123422CK	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
202024CK	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123431CK	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123449CK	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	69.95	58.30	52.50
202032CK	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
167345CK	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	64.79	58.30	52.50

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)*	Line Reg. (%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
323871CK	Volgen	SP100U-24S	+24V@4.4A	105.6W	150	0.4	0.2	—	\$49.95	\$44.96	\$40.46

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

150-Watt Enclosed with Power Factor Correction

SP-150, TP-150 & QP-150 Series:
Single, Triple & Quad Outputs

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Mating connector: P/N 103587CK, pg 149
- -10°C to +60°C working temperature
- Mounting hardware: use P/Ns 222130CK, 222156CK, 222164CK, 222181CK & 222172CK
- Three-year warranty • See www.Jameco.com for specifications



200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output

- 100% full-load burn-in
- Universal AC input
- No minimum load required
- 3.3 watts/in³ maximum
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Voltage adjustment: 10%
- Mating connector: P/N 103587CK, pg 149
- -10° to +60°C working temperature
- Mounting hardware use P/Ns 222130CK, 222156CK, 222164CK, 222181CK & 222172CK
- Three-year warranty • See www.Jameco.com for specifications



200-Watt Enclosed with Power Factor Correction

QP-200 Series: Quad Output

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Remote sense
- 2.6 watts/in³ maximum
- Built-in fan cooling
- Mating connector: P/N 103587CK, pg 149
- -10° to +60°C working temperature
- Mounting hardware use P/Ns 222156CK, 222181CK & 222172CK
- Three-year warranty • See www.Jameco.com for specifications



240-Watt Enclosed

S-240 Series: Single Output























- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103587CK, pg 149
- Input: 88-132/176-264VAC @ 47-63Hz
- -10°C to +60°C working temperature
- Mounting hardware use P/Ns 222156CK & 222172CK
- Two-year warranty • See www.Jameco.com for specifications



Open-Frame Power Supplies
on pages 193-198.



For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
201902CK	Mean Well 	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	\$82.75	\$70.34	\$52.75
201911CK	Mean Well 	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	74.95	63.71	54.03
173420CK	Mean Well 	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
394193CK	Mean Well 	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
173411CK	Mean Well 	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173403CK	Mean Well 	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
201929CK	Mean Well 	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	63.71	47.78
213831CK	Mean Well 	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213647CK	Mean Well 	QP-150F	+5V@3-10A; +15V@0-3A; +24V@0.4-2A; -15V@0-0.6A	152.0W	120	2	1	UL/CUL/TUV/CE/CB	145.95	124.06	93.04
202041CK	Mean Well 	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	102.95	85.79	74.79
194773CK	Mean Well 	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
212409CK	Mean Well 	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202059CK	Mean Well 	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
194781CK	Mean Well 	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202067CK	Mean Well 	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
213751CK	Mean Well 	QP-200D	+5V@3-15A; +12V@0-4A; +24V@0.4-3A; -12V@0-0.7A	204.9W	100	2	1	UL/CUL/TUV/CE/CB	156.95	127.99	112.99
202083CK	Mean Well 	S-240-5	+5V@0-40A	200.0W	150	1	0.5	UL/CUL/TUV/CE/CB	70.79	64.34	58.50
137648CK	Mean Well 	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
202075CK	Mean Well 	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	85.46	76.91
137656CK	Mean Well 	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
392833CK	Mean Well 	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	99.95	93.95	89.25
167337CK	Mean Well 	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	109.95	98.95	89.09

* Primary Output  Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)	Load Reg. (±%)	Line Reg. (±%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
199515CK	Globtek	RT-3S150-24	24V@6.5A	156.0W	100	5	5	UL/CE	\$64.15	\$57.75	\$43.15
371012CK	Potrans	GL150W-24-NC	24V@6.5A	156.0W	150	—	—	UL/CUL/TUV/CE	56.95	45.55	34.15

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

300 to 480-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

300-Watt Enclosed with Power Factor Correction

PSP-300 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- Forced air cooling by built-in DC fan
- Built-in active PFC function
- Built-in cooling fan ON-OFF
- Built-in remote ON-OFF control
- Built-in remote sense function
- With power good & fail signal output
- Short circuit/overload/over-voltage/over-temperature protection
- Mating connector: P/N 103587CK or 302877CK, pg 149
- Input: 88-264VAC@47-63Hz/124-370VDC
- Working temperature: -10°C to +50°C
- Three-year warranty • See www.Jameco.com for specifications



UL US CE CB

300 & 320-Watt Enclosed with Power Factor Correction

- 100% full-load burn-in • Universal AC input
- No minimum load required
- Auto cooling fan • Voltage adj.: 10%
- Mating connector: P/N 103587CK, pg 149
- Mounting hardware: use P/Ns 222156CK, 222130CK, 222181CK & 222172CK
- Three-year warranty

SP-300 & SP-320 Series: Single Output

- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- Working temperature: SP-300: -10° to +60°C; SP-320: -20° to 65°

QP-320 Series: Quad Output

- Input: 90-264VAC @ 47-63Hz • Working temperature: -10° to +70°C



UL US CE CB

320-Watt Enclosed

S-320 Series: Single Output

- 100% full-load burn-in • Auto cooling fan
- No minimum load required
- 4.1 watts/in³ maximum
- Voltage adjustment: 10%
- Input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CK, pg 149
- -10° to +60°C working temperature
- Mounting hardware: use P/Ns 222156CK, 222181CK & 222172CK
- Two-year warranty • See www.Jameco.com for specifications



UL US

480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output

- Input: 85-264VAC, 120-370VDC
- -20°C to +60°C working temperature
- Short circuit/overload/over-voltage/over-temperature protection
- Built-in remote ON-OFF control
- Built-in remote sense function
- High power density: 5.18 watts/in³ maximum
- Active AC surge current limiting
- Inrush current: 25A@115VAC
- Leakage current: <2mA @ 240VAC
- Size: 10.9"L x 5.0"W x 1.7"H
- Three-year warranty • See www.Jameco.com for specifications



UL US CE CB

Open-Frame Power Supplies on pages 193-198.

For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
374168CK	Mean Well	PSP-300-12	+12V@0-25A	300.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	\$178.65	\$169.10	\$160.65
374176CK	Mean Well	PSP-300-13.5	+13.5V@0-22A	297.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374184CK	Mean Well	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374192CK	Mean Well	PSP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374205CK	Mean Well	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
202091CK	Mean Well	SP-300-5	+5V@0-50A at 230VAC; 0-40A at 115VAC	250.0W	150	1	0.5	UL/CUL/TUV/CE/CB	169.95	144.46	108.34
137390CK	Mean Well	SP-300-12	+12V@0-24A at 230VAC; 0-19.2A at 115VAC	288.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
212396CK	Mean Well	SP-300-13.5	+13.5V@0-21A at 230VAC; 0-16.8A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
202104CK	Mean Well	SP-300-15	+15V@0-19A at 230VAC; 0-15.2A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
137402CK	Mean Well	SP-300-24	+24V@0-12.5A at 230VAC; 0-10A at 115VAC	300.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
394206CK	Mean Well	SP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
161980CK	Mean Well	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
244734CK	Mean Well	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	132.95	119.65	107.69
394214CK	Mean Well	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	146.95	126.95	118.99
244742CK	Mean Well	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244751CK	Mean Well	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244769CK	Mean Well	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
216776CK	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	124.95	112.80	101.50
207212CK	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207204CK	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
374993CK	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	146.95	126.95	118.99
196656CK	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207191CK	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	124.95	112.80	101.50
301372CK	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301321CK	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301401CK	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
668764CK	Mean Well	QP-320D	+5V@2.5-20A; +12V@0-10A; +24V@0.2-5A; -12V@0.2-2A	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55
668772CK	Mean Well	QP-320F	+5V@2.5-20A; +15V@0-10A; +24V@0.2-5A; -15V@0.2-1.6A	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum • Remote control
- Auto cooling fan • Voltage adjustment: 10%
- No minimum load required
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103587CK pg 149
- Mounting hardware: use P/Ns 222199CK, 222156CK & 222172CK
- -10° to +60°C working temperature
- Three-year warranty • See www.Jameco.com for specifications



600-Watt Enclosed

SE-600 Series: Single Output

- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit/overload/over-voltage/over-temperature protection
- -20° to +60°C working temperature
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty
- See www.Jameco.com for specifications



600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output

- 100% full-load burn-in
- Auto cooling fan
- No minimum load required
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Parallel operation (current sharing)
- Remote sense and control
- Mating connector: P/N 103587CK, pg 149
- -10° to +65°C working temperature; (+50° to -65°C @ 50% load)
- Mounting hardware: use P/Ns 222156CK & 222172CK
- Two-year warranty
- See www.Jameco.com for specifications



600-Watt Enclosed with Power Factor Correction

SCP-600 Series: Single Output

- Input: 180-260VAC @ 47-63Hz/260-370VDC
- PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/over-temperature protection
- Built-in remote sense function, and remote ON-OFF function
- Power good signal
- With parallel function (N + 1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Forced air cooling by built-in DC fan
- Mating connector: P/N 103587CK or 302877CK, pg 149
- Working temperature: -20°C to +65°C
- Three-year warranty • See www.Jameco.com for specifications



Open-Frame Power Supplies on pages 193-198.

For PC Power Supplies, see page 247.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
190692CK	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	\$249.95	\$216.10	\$194.50
212388CK	Mean Well	SP-500-13.5	+13.5V@0-36A at 230VAC; 0-30.6A at 115VAC	486.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
213604CK	Mean Well	SP-500-15	+15V@0-32A at 230VAC; 0-27.2A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	239.95	215.95	194.35
147053CK	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
190705CK	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
161795CK	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
374002CK	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.59	140.89
374011CK	Mean Well	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	173.95	156.59	140.89
291522CK	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902CK	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911CK	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929CK	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
220249CK	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	273.95	213.99	197.99
220257CK	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374045CK	Mean Well	SCN-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
220265CK	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374061CK	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
388631CK	Mean Well	SCP-600-12	+12V@0-50A	600.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
388640CK	Mean Well	SCP-600-15	+15V@0-40A	600.0W	140	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374264CK	Mean Well	SCP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374301CK	Mean Well	SCP-600-48	+48V@0-12A	576.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!



500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in • Voltage adj.: 10%
- No minimum load required • 3.6 watts/in³ maximum
- Auto cooling fan • Remote sense and control
- Mating connector: P/N 103587CK, pg 149
- -10° to +60°C working temperature
- Mounting hardware: use P/Ns 222156CK & 222172CK
- Three-year warranty
- See www.Jameco.com for specifications

PSP-500 and PSP-1000:

- Parallel operation (current sharing)
- Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC

PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC



750-Watt Enclosed with Power Factor Correction

SP-750 Series: Single Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 127-370VDC
- Short circuit/overload/over-volt protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control
- Built-in remote sense function



- Mating connector: 103587CK, pg 149
- High power density: 5.48W/in³
- Power-good and fail-signal outputs
- Three-year warranty

600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Input: 88-264VAC, 124-370VDC
- Parallel function
- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Current sharing up to 2400W (3 + 1)
- Short circuit/overload/over-voltage/over-temperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103587CK or 302877CK, pg 149
- Working temperature: -20°C to +50°C
- Three-year warranty • See www.Jameco.com for specifications



800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output

- Input: 180-260VAC @ 47-63Hz/260-370VDC • PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/over-temperature protection
- Forced air cooling by built-in DC fan
- Built-in remote sense function, and remote ON-OFF function
- Power good signal • With parallel function (N + 1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103587CK or 302877CK, pg 149
- Working temperature: -20°C to +65°C
- Three-year warranty • See www.Jameco.com for specifications



Open-Frame Power Supplies on pages 193-198.

For PC Power Supplies, see page 247.

SALE

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
190713CK	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	\$269.95	\$232.09	\$216.69
202121CK	Mean Well	PSP-500-15	+15V@0-33A at 230VAC; 0-26.4A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	156.49	142.25	129.35
190721CK	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	242.96	218.66
190730CK	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
190748CK	Mean Well	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	232.95	216.95
374213CK	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374221CK	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374230CK	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374256CK	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374248CK	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
319943CK	Mean Well	SP-750-12	+12V@0-62.5A	750.0W	120	2	0.5	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374029CK	Mean Well	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320047CK	Mean Well	SP-750-24	+24V@0-31.3A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374037CK	Mean Well	SP-750-27	+27V@0-27.8A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320055CK	Mean Well	SP-750-48	+48V@0-15.7A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
388615CK	Mean Well	SCP-800-12	+12V@0-66A	792.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
388623CK	Mean Well	SCP-800-15	+15V@0-53A	795.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374310CK	Mean Well	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374336CK	Mean Well	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
217373CK	Mean Well	PSP-1000-5	+5V@0-145A at 230VAC; 0-123.3A at 115VAC	725.0W	100	2	0.5	UL/CUL/TUV/CE/CB	499.95	424.96	318.72
217365CK	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	318.29	289.35	263.05
231642CK	Mean Well	PSP-1000-13.5	+13.5V@0-67A at 230VAC; 0-57.8A at 115VAC	1000.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	449.95	404.95	364.49
231634CK	Mean Well	PSP-1000-15	+15V@0-60A at 230VAC; 0-51A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	449.95	404.95	364.49
217357CK	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231651CK	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	446.36	334.02
217349CK	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231669CK	Mean Well	PSP-1500-5	+5V@0-217.5A	1087.5W	100	2	0.5	UL/CUL/TUV/CE/CB	699.95	629.99	566.99
373261CK	Mean Well	PSP-1500-12	+12V@0-112.5A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231685CK	Mean Well	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	479.99	436.42	396.74
231693CK	Mean Well	PSP-1500-15	+15V@0-90.0A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	446.59	405.99	369.09
373923CK	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231714CK	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
231722CK	Mean Well	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25

* Primary Output

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

DIN-Rail Switching Power Supplies



- Low cost, high reliability
- Universal AC input range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload, over-voltage protected
- 100% full-load burn-in test
- For DIN-Rail terminal blocks see page 147

Part No.	Product No.	Fig.	Power (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373173CK	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	\$39.99	\$35.99	\$32.39
373181CK	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373190CK	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373202CK	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
212302CK	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192698CK	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
221874CK	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192680CK	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
373211CK	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373229CK	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373237CK	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373245CK	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
212290CK	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212281CK	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212273CK	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
212265CK	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
221903CK	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	76.95	69.26	62.33
221891CK	DRP-24024	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
221882CK	DRP-24048	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373122CK	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
373114CK	DRT-240-48	5	240	48VDC @ 5A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
252662CK	DRP-48024	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
252654CK	DRP-48048	6	480	48VDC @ 10A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
295937CK	DRP-480S-24	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
301305CK	DRP-480S-48	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
372576CK	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
373106CK	DRT-480-48	6	480	48VDC @ 10A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
Part No.	Cross Ref. No.	Description			Material	Type	Length		1	10	100
248735CK	2094.0	Prepunched DIN mounting rail			Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")		\$6.79	\$5.45	\$4.10

*Switch selectable † With Power Factor Correction



DIN-Rail Switching Power Supplies

Part No.	Product No.	Power (W)	Output Volts@Current	Input Voltage (VAC @ Hz/VDC)	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
478661CK	SDP3-15-100T	15	12-15VDC @ 4.2-3.4A	85-264 @ 43-67/90-375	2.9 x 1.7 x 3.5	0.5	\$115.15	\$112.59	\$111.39
478645CK	SCP30S5-DN	30	5VDC @ 6A	85-264 @ 50/60	4.7 x 2.5 x 1.2	1.5	124.95	120.95	117.55
478653CK	SDN2-5-24-100P	60	24-28VDC @ 2.5A	85-132/176-264 @ 47-63/90-375	4.5 x 1.9 x 4.8	1.6	137.35	131.95	126.99

♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



478653CK
SDN Series

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short-circuit protection
- Fuse protected
- Output mating terminals: see pg 151 for cigarette plugs & pg 261 for banana terminal plugs

135845CK
Banana/
Cigarette



136581CK
Banana
terminal



138667CK
Banana
terminal
(rear)



Part No.	Model No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
135845CK	RPS1204	55.2	13.8VDC @ 4A	115VAC @ 60Hz	Banana terminals / cigarette plug	6.7 x 5.2 x 3.2	5.5	\$31.95	\$28.85	\$25.65
136581CK	RPS1207	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	64.15	57.75	52.39
138667CK	38-381	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138675CK	52-192012	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

† P/N 136581CK includes overheating protection



12 and 24VDC Precision Regulated Power Supplies

- Input voltage: 117VAC @ 60Hz
- Fuse and auto circuit breaker overload protection
- 3-prong heavy duty grounded AC power cord
- Universal binding posts
- Filtered output

Part No.	Model No.	Power (W)	Output Volts @ Curr.	Size (L" x W" x H")	Wt. (lbs.)	1	5
540736CK	PSR-2/24	75	24VDC @ 2A	6.75 x 4.25 x 2.75	4.0	\$43.85	\$39.69
540728CK	PSR-10	250	12VDC @ 10A	7.75 x 1.50 x 4.50	9.25	69.05	62.15



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540736CK



540728CK

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

5-24VDC Linear Power Supplies

478670CK/478688CK:

- Easy-to-install screw terminal connections
- Industry standard footprint
- Automatic resetting overload protection
- Short circuit protected
- Fast transient response; ideal for test applications
- Low noise, extremely quiet DC output for noise sensitive or analog circuitry

Part No.	Model No.	Input Voltage	Output Volts@Curr.	1	10	25
478670CK	SLS-05-030-1T	100-240VAC selectable	5VDC @ 3A	\$41.09	\$40.66	\$40.26
478688CK	SLS-24-012T	100-240VAC selectable	24VDC @ 1.2A	41.09	40.66	40.26
478637CK	83-24-225-3	104-127VAC, 208-254VAC	24VDC @ 2.5A	139.95	137.95	136.39

478637CK:

- Low noise output
- Remote sensing
- Designed for both bench and rack use
- Current limiting - automatic reset
- Completely protected short circuit proof; automatic foldback
- Isolated floating output
- UL Recognized, CSA Certified



478637CK

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

0.5 to 10-Watt Isolated DC-to-DC Converters

0.5 & 1-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- Input filter: capacitor type
- Protection: short-circuit
- 100% burn-in test
- Working temp.: -15 to +60°C
- One-year warranty
- No external components needed



3 & 5-Watt Regulated Encapsulated

- 1000VDC isolation
- Input filter: Pi network
- 2:1 wide input range
- 100% burn-in test
- Shielded metal case
- One-year warranty
- Working temperature: -15 to +60°C
- No external components needed
- Protection: short-circuit & overload



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
213225CK	SRS-0505	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	\$4.89	\$4.45	\$4.25	\$4.09
216830CK	SPR01L-12	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	10.95	9.95	7.88	5.91
213268CK	SCW03A-05	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.49	13.95	12.59	11.29
155918CK	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161701CK	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
220388CK	SLW05L-12	4.5-9V	+12V@417mA	5W	2x1x0.44	5	0.2	0.5	100	24.95	22.49	20.25	18.25
220353CK	SLW05A-033	9-18V	+3.3V@1500mA	5W	2x1x0.44	5	0.2	0.5	100	19.95	17.95	16.16	14.54
216928CK	SLW05A-05	9-18V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216881CK	SLW05A-15	9-18V	+15V@333mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216936CK	SLW05B-05	18-36V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216910CK	SLW05B-12	18-36V	+12V@417mA	5W	2x1x0.44	5	1.0	0.2	100	21.95	19.76	17.78	16.00
213233CK	SLW05C-05	36-72V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	17.25	15.50	13.95	12.56

10-Watt Encapsulated

- Isolation voltage: 1000VDC
- Input filter: Pi-network
- 2:1 wide input range
- 100% burn-in test
- Working temperature: -15 to +60°C
- Shielded metal case
- Protection: short-circuit & overload
- Industry standard package
- Free-air convection cooling
- One-year warranty



Quantity SAVE

Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
216961CK	SKE10A-05	9-18V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	\$33.95	\$30.55	\$26.95	\$24.55
216979CK	SKE10A-15	9-18V	+15V@666mA	10W	2x1x0.44	5	0.3	1.0	60	33.95	30.56	24.44	18.33
220337CK	SKE10B-033	18-36V	+3.3V@2400mA	8W	2x1x0.44	5	0.3	0.5	50	29.95	26.99	21.59	16.19
216952CK	SKE10B-05	18-36V	+5V@2000mA	10W	2x1x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217023CK	SKE10B-12	18-36V	+12V@840mA	10W	2x1x0.44	5	0.3	0.5	60	29.95	26.96	24.26	21.34
216944CK	SKE10C-05	36-72V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.56	24.44	18.33
217031CK	DKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2x1x0.44	5	0.3	0.5	50	34.95	31.46	25.16	18.87
217091CK	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217111CK	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217074CK	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45

For Complete Specifications visit www.Jameco.com

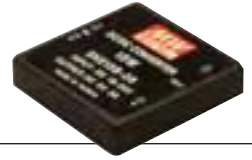
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Save Big! Special Values!

New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

15-Watt Encapsulated

- Isolation voltage: 1000VDC
- Free-air convection cooling
- Input filter: Pi network
- Shielded metal case
- 2:1 wide input range
- Working temperature: -15° to +60°C
- 100% burn-in test
- Protection: short-circuit & overload
- One-year warranty



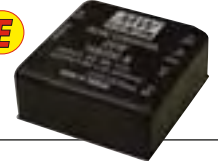
Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
155715CK	SKE15A-05	9-18V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	\$34.95	\$31.49	\$28.15	\$25.35
155707CK	SKE15A-12	9-18V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35
155694CK	SKE15A-24	9-18V	+24V@625mA	15W	2x2x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35
213276CK	SKE15B-05	18-36V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	34.95	31.49	28.15	25.35
213284CK	SKE15B-12	18-36V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.49	28.15	25.35
161728CK	DKE15A-12	9-18V	+12V@625mA; -12V@625mA	15W	2x2x0.43	5	0.3	0.5	60	35.95	32.36	25.88	19.41
213292CK	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2x2x0.43	5	0.3	0.5	80	32.95	29.69	26.90	24.05

20-Watt Encapsulated

- Isolation voltage: 1000VDC
- Output trim
- Free-air convection cooling
- Working temp.: -40° to +71°C
- Industry standard package
- 100% burn-in test
- Shielded metal case
- Input filter: Pi network
- Protection: short-circuit & overload
- One-year warranty



SALE



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
217630CK	DKB20A-05	9-18V	+5V@2000mA; -5V@2000mA	20W	1.2x2x0.82	8	0.2	0.2	100	\$39.95	\$35.96	\$32.36	\$29.12
217648CK	TKB20C-B	36-72V	+5V@2500mA; ±12V@310mA	20W	1.2x2x0.82	8	0.2	0.2	100	37.79	33.99	32.75	31.72

30-Watt Encapsulated

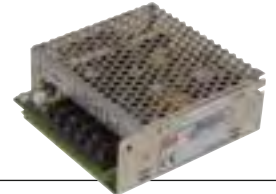
- Isolation voltage: 1000VDC
- 2:1 wide input range
- Working temperature: -25° to +85°C
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- Output trim
- Remote ON/OFF
- Protection: short-circuit, overload & over-voltage
- One-year warranty



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
217234CK	SDM30-12S12	9-18V	+12V@2100mA	25.2W	2x1.8x0.62	8	1.0	1.0	100	\$34.95	\$31.77	\$28.88	\$26.26
217242CK	SDM30-24S12	18-36V	+12V@2500mA	30W	2x1.8x0.62	8	1.0	1.0	100	45.95	41.35	37.25	33.55

25-Watt Enclosed

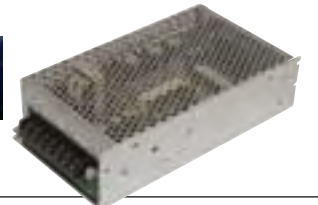
- Isolation voltage: 500VDC
- 2:1 wide input range
- Working temperature: -10° to +60°C
- Protection: short-circuit, overload and over-voltage
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- One-year warranty
- See www.Jameco.com for specifications





Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
175661CK	SD-25A-5	9-18V	+5V@5000mA	25W	see www.Jameco.com	5	0.5	0.5	100	\$40.95	\$30.99	\$28.99	\$24.99
175804CK	SD-25A-12	9-18V	+12V@2100mA	25.2W	see www.Jameco.com	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175812CK	SD-25A-24	9-18V	+24V@1100mA	26.4W	see www.Jameco.com	5	0.2	0.2	150	40.95	30.99	28.99	24.99

50, 100 & 150-Watt Enclosed

- Isolation voltage: 1500VDC
- One-year warranty
- 2:1 wide input range
- Protection: short-circuit, overload and over-voltage
- Mounting hardware: use P/Ns 222156CK & 222172CK
- Input filter: Pi-network
- Shielded metal case
- Working temperature: -10° to +60°C
- 100% burn-in test
- See www.Jameco.com for specifications



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
212548CK	SD-50A-5	9-18V	+5V@10A	50W	see www.Jameco.com	5	0.5	0.5	100	\$35.79	\$32.53	\$29.58	\$26.89
212530CK	SD-50B-12	19-36V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	46.76	42.08	28.05
212513CK	SD-50B-24	19-36V	+24V@2.1A	50.4W	see www.Jameco.com	5	0.2	0.2	150	35.79	32.21	25.77	24.15
212505CK	SD-50C-12	36-72V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	39.99	36.99	32.99
216565CK	SD-100B-12	19-36V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	72.95	65.66	59.09	49.24
212468CK	SD-100C-12	36-72V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	63.95	53.99	50.99	44.99
217269CK	SD-150B-12	19-36V	+12V@12.5A	150W	see www.Jameco.com	7	0.5	0.5	120	82.95	70.99	65.99	57.99

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

10 to 60-Watt Isolated DC-to-DC Converters

Other Versions
Available: Call
800-831-4242

Color Code Legend
New Sale Lower\$ QtySave

10-Watt Open Frame

CXA10 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- 4:1 input voltage range
- Protection: short-circuit & overload
- Working temp.: -40° to +100°C
- See www.Jameco.com for specifications



15-Watt Open Frame

CXE15 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: over-voltage & over-current
- Working temperature: -40° to +65°C
- Output trim
- See www.Jameco.com for specifications



30% Lower
All Items

20-Watt Open Frame

CXA20 Series: Single Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- 100% burn-in test
- 4:1 input voltage range
- Protection: over-voltage, over-temperature & short-circuit
- Working temperature: -40° to +60°C
- See www.Jameco.com for specifications



60-Watt Open Frame

EXQ60 Series: Dual Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: short-circuit, over-current & over-voltage
- Working temperature: -40° to +100°C
- See www.Jameco.com for specifications



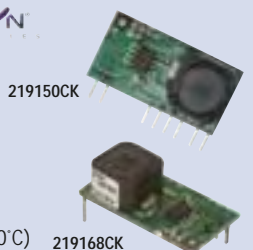
Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
219037CK	CXA10-48S3V3	18-75V	+3.3V@2400mA	7.9W	2.0x1.0x0.54	6	0.1	0.2	30	\$17.89	\$16.99	\$16.15	\$15.34
219045CK	CXA10-48S05	18-75V	+5.0V@2000mA	10W	2.0x1.0x0.54	6	0.1	0.2	30	17.89	16.99	16.15	15.34
219070CK	CXE15-48S1V8	33-75V	+1.8V@6000mA	10.8W	2.0x1.0x0.35	6	0.3	2.0	40	17.29	16.44	14.92	14.83
219088CK	CXE15-48S2V5	33-75V	+2.5V@6000mA	15W	2.0x1.0x0.35	6	0.3	1.5	40	17.29	16.44	15.62	14.83
219053CK	CXE15-48S3V3	33-75V	+3.3V@4500mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	17.29	16.44	15.62	14.84
219061CK	CXE15-48S05V	33-75V	+5V@3000mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	17.29	16.44	15.62	14.83
219109CK	CXA20-48S3V3	18-75V	+3.3V@6000mA	19.8W	2.0x1.6x0.41	8	0.1	0.2	75	24.85	23.61	22.43	21.31
218894CK	EXQ60-48D3V3-2V5-R	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3x1.5x0.50	7	—	—	60	53.89	51.26	48.70	46.26
218907CK	EXQ60-48D05-3V3-R	33-75V	+3.3V@15A; +5V@12A	60W	2.3x1.5x0.50	7	—	—	60	53.89	51.26	48.70	46.26

Blue Part No. = Limited Quantity Available

6 to 15-Amp Non-Isolated, Point-of-Load DC-to-DC Converters

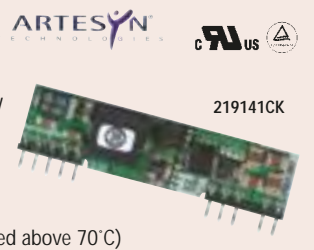
6-Amp SIL06C Series

- di/dt: 10A/μs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- Ultra-wide trim range
- "Power good" signal
- Planar magnetics technology
- Protection: over-current & short-circuit
- Working temperature: 0° to +80°C (derated above 50°C)



10-Amp SIL10E Series

- di/dt: 10A/μs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- 96% efficiency at 3.3V
- Highest power density: 107W/in³
- Planar magnetics technology
- Protection: thermal & short-circuit
- Working temperature: -40° to +100°C (derated above 70°C)



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. °C	Efficiency (%)	MTBF (hours)	Pricing			
			Voltage@Current	Power								1	10	25	100
219150CK	SIL06C-05SADJ-V	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.07	8	0.2	0.5	0 to +80	89	1,300,000	\$5.89	\$5.59	\$5.31	\$5.04
219168CK	SIL06C-05SADJ-H	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.53	8	0.2	0.5	0 to +80	89	1,300,000	5.89	5.59	5.31	5.04
219141CK	SIL10E-05S1V8-V	3.0V-5.5V	1.8V@10A	18W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	92	7,042,000	11.39	10.83	10.28	9.77
219133CK	SIL10E-05S2V5-V	3.0V-5.5V	2.5V@10A	25W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	94	7,042,000	11.39	10.83	10.28	9.77
219117CK	SIL10E-05W3V3-V	4.5V-5.5V	0.8-3.6V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	11.39	10.83	10.28	9.77
219125CK	SIL10E-05S3V3-V	4.5V-5.5V	3.3V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	11.39	10.83	10.28	9.77

Blue Part No. = Limited Quantity Available

15-Amp SIL15C Series

- di/dt: 10A/μs
- Ultra-wide trim range
- Working temperature: 0° to +80°C (derated above 50°C)
- 100% burn-in test
- Protection: over-current & short-circuit
- No minimum load
- Remote ON/OFF
- Two-year warranty



SALE



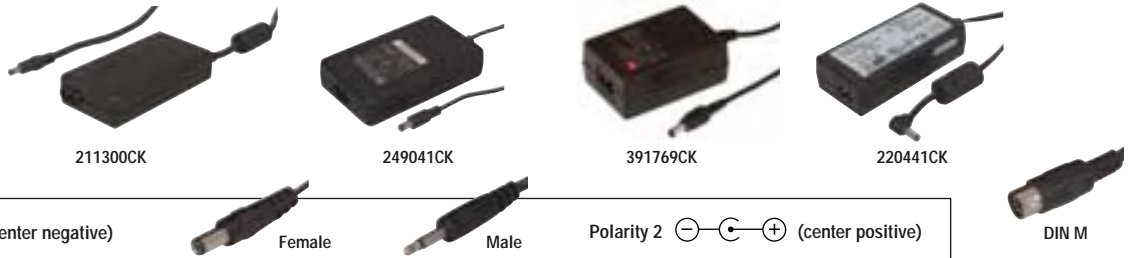
Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. °C	Efficiency (%)	Pricing			
			Voltage @ Current	Power							1	10	25	100
218886CK	SIL15C-05SADJ-V	4.5V-5.5V	0.9V-3.3V@15A	50W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	89	\$9.19	\$8.32	\$7.59	\$6.89
218878CK	SIL15C-12SADJ-V	10.2V-13.8V	0.9V-5V@15A	75W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	91	11.69	10.63	9.62	8.65

Blue Part No. = Limited Quantity Available

AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 225 for International Power Cords



Polarity 1 (center negative)

Female

Male

Polarity 2 (center positive)

DIN M

Power	Part Number	Brand	Product Number	Output		Input	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
2-Wire AC Input – Regulated Switching																	
12-24 Watt	379612CK	Mean Well	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	\$20.69	\$18.53	\$16.22	\$15.45
	377924CK	Mean Well	P30B-1P2JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	380621CK	Mean Well	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379760CK	Mean Well	P30B-1P2MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	211300CK	Artesyn	SSL20-7605	20	+5/4.0	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.3 x 1.0	6'/3	1.5	UL/CSA/UL/CE	24.95	22.49	20.29	18.25
	379920CK	Mean Well	ES25B07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380672CK	Mean Well	ES25B07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	195805CK	Horizon	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	26.95	24.25	21.85	19.65
	195768CK	Horizon	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.55
	249041CK	Philhong	PSA15W-120	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.6 x 1.0	6'/3	0.3	UL/CSA/TUV/CE	19.49	17.75	16.39	14.55
391769CK	Mean Well	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29	
391777CK	Mean Well	ES18B24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29	
196138CK	DVE	DSA-0283A	23	+5/1, +12/1.49 -5/4.3	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/3	0.8	UL/CSA/TUV	16.95	15.25	12.19	9.15	
25-29 Watt	379938CK	Mean Well	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380681CK	Mean Well	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377932CK	Mean Well	P30B-2P2JU	26	+9/2.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379786CK	Mean Well	P30B-2P2MU	26	+9/2.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379946CK	Mean Well	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380701CK	Mean Well	ES25B12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377941CK	Mean Well	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379794CK	Mean Well	P30B-3P2MU	27	+12/2.25	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	20.50	19.26
	379954CK	Mean Well	ES25B15-P1JU	25	+15/1.67	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380710CK	Mean Well	ES25B15-P1MU	25	+15/1.67	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377959CK	Mean Well	P30B-4P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379655CK	Mean Well	P30B-4P2MU	27	+15/1.8	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379962CK	Mean Well	ES25B18-P1JU	25	+18/1.39	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380728CK	Mean Well	ES25B18-P1MU	25	+18/1.39	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379971CK	Mean Well	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380761CK	Mean Well	ES25B24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221612CK	Mean Well	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	25.95	23.35	20.99	18.99
379989CK	Mean Well	ES25B28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
380779CK	Mean Well	ES25B28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
205911CK	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45	
379997CK	Mean Well	ES25B48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
380808CK	Mean Well	ES25B48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
30-65W	220441CK	Horizon	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.0 x 1.2	6'/3	0.6	UL/CUL/TUV/CE	29.95	26.99	24.29	21.85
	230498CK	Philhong	PSA60W-120	50	+12/4.2	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/3	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08
	230501CK	Philhong	PSA60W-180	60	+18/3.3	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/3	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	29.01
	645271CK	—	SDA5524	55	+24/2.3	120-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	5.1 x 2.4 x 1.4	7'/3	0.5	UL/CUL/TUV/CE	29.95	26.95	24.75	19.95
	229841CK	Philhong	PSA60W-240	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/3	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08

* See accessory table-top power cord chart on page 215 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord
 ▲ Brand and product number may vary except for ReliaPro, Mean Well, Philhong and GlobTek

† Right angle

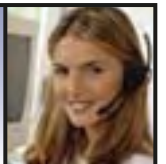
Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions.
 Just call us! 1-800-831-4242



AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 225 for International Power Cords



308700CK



159353CK



243011CK



206455CK

Quantity SAVE



DIN M

Polarity 1 (+) (-) (-) (center negative)



Female



Male

Polarity 2 (-) (-) (+) (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
3-Wire AC Input – Regulated Switching																	
5-20 Watt	221567CK	Mean Well ☺	P40A-0P2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	\$22.99	\$20.69	\$18.83	\$17.84
	308700CK	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2 ↑	No	Black	4.2 x 2.0 x 1.6	6'/2	0.4	UL/CUL/TUV/CE	16.95	15.26	12.20	9.15
	309876CK	Go Forward	G112-US0520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	9.59
	196218CK	GlobTek ☺	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	355717CK	CUI Stack	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/1	0.5	UL/CUL/TUV/CE	17.29	16.18	14.40	14.32
	377844CK	Mean Well ☺	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379719CK	Mean Well ☺	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	355506CK	APS	AD-740U-1050/LP	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.6	6'/1	0.8	UL/CUL/TUV/CE	17.29	15.56	12.45	9.34
	379591CK	Mean Well ☺	ES25A05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380470CK	Mean Well ☺	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	213583CK	Mean Well ☺	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	23.69	21.35	19.19	17.49
	377861CK	Mean Well ☺	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/2	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379735CK	Mean Well ☺	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303538CK	Potrans	UP01411120	12	+12/1.0	100-250@50-60	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/2	0.4	UL/CSA/TUV/CE	16.75	13.37	11.70	11.14
	228988CK	Phihong ☺	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/2	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53
	376622CK	Mean Well ☺	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379701CK	Mean Well ☺	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	320231CK	3-Com ✓	10030973	18	+12/1.5	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.0 x 1.4	6'/2	0.4	UL/CUL/TUV/CE	15.19	13.67	10.94	8.20
	298062CK	Potrans	UP01831120	18	+12/1.5	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	3.7 x 2.2 x 1.3	7'/2	0.4	UL/CUL/ICE	15.45	13.90	11.12	8.34
	377879CK	Mean Well ☺	ES18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
379743CK	Mean Well ☺	ES18A15-P1MU	18	+15/1.2	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29	
303546CK	Potrans	UP01811180	18	+18/1.0	100-250@50-60	2.1mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/2	0.4	UL/CSA/TUV/CE	19.55	17.60	14.08	10.56	
394231CK	Mean Well ☺	ES18A24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CUL/TUV/CCC/CBICE	20.65	18.95	16.41	16.29	
159353CK	Mean Well	KA60AU	17	+5/1, ±12/0.5	100-240@50-60	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.5	6'/5'	1.0	UL/CSA/TUV	36.95	33.26	26.60	21.89	
364146CK	Ault	SW306KF	17	+5/1, ±12/0.8-12/0.2	100-250@50-60	5-pin DIN M	No	Black	5.1 x 3.0 x 1.6	6'/1	1.1	UL/CSA/TUV/CE	26.95	24.26	19.40	14.55	
21-29 Watt	213575CK	Mean Well ☺	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	29.95	26.96	21.56	18.27
	379698CK	Mean Well ☺	ES25A07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380496CK	Mean Well ☺	ES25A07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377908CK	Mean Well ☺	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379751CK	Mean Well ☺	P30A-1-1P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.80	20.76	20.43
	379727CK	Mean Well ☺	ES25A09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	211027CK	Mean Well	KA52B25-M0DU	25	+9/2.78	100-240@47-63	2.1mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/2	0.9	CSA/TUV/ICE	17.85	16.07	12.85	9.64
	380517CK	Mean Well ☺	ES25A09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	211019CK	Mean Well	KA52B	25	+9/2.78	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/2	0.9	UL/CSA/TUV/CE	29.95	26.96	24.29	21.85
	379778CK	Mean Well ☺	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380533CK	Mean Well ☺	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377895CK	Mean Well ☺	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379823CK	Mean Well ☺	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380541CK	Mean Well ☺	ES25A15-P1MU	25	+15/1.66	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	243011CK	Mean Well ☺	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	23.69	21.80	20.76	19.71
	206455CK	Ault	SC100	25	+16/1.56	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/6'	1.2	UL/CUL/TUV/CE	14.95	13.46	10.76	8.07
	379840CK	Mean Well ☺	ES25A18-P1JU	25	+18/1.38	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380550CK	Mean Well ☺	ES25A18-P1MU	25	+18/1.38	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379882CK	Mean Well ☺	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380576CK	Mean Well ☺	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
221680CK	Mean Well ☺	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	26.95	24.29	21.85	19.65	

* See accessory table-top power cord chart on page 215 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

† Right angle

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

AC-to-DC Regulated Switching Table-Top Power Supplies

See page 225 for International Power Cords

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.



229032CK



203043CK



211191CK



211107CK



Female



Male

Polarity 2 (center positive)



DIN M

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
21-29 Watt	379891CK	Mean Well ☺	ES25A28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	\$20.69	\$18.53	\$16.22	\$15.45
	380584CK	Mean Well ☺	ES25A28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379903CK	Mean Well ☺	ES25A48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380605CK	Mean Well ☺	ES25A48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	215087CK	Mean Well ☺	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.89	19.89	18.09	16.59
	196269CK	Everglow ☺	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	27.95	25.19	22.65	20.39
	190650CK	Ault	SW300	25	+5/4, +12/1.0	100-250@50-60	5-pin DIN M	No	Black	5.9 x 3.4 x 2.1	6'/2	1.5	UL/CSA/TUV	9.95	8.96	8.06	7.25
	190959CK	Mean Well ☺	P25A13D-R1U	26	+5/2.5, +12/0.8 -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	32.95	29.69	26.69	24.05
	221719CK	Mean Well ☺	P25A14E-R1BU	25	+5/2.5, +15/0.3 -15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	32.95	29.69	26.69	24.05
30-40 Watt	320080CK	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	24.69	22.89	20.59	18.55
	206527CK	Mean Well ☺	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	229008CK	Phihong ☺	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	401041CK	ReliaPro	EA10362	36	+12/3.0	120-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/3	0.6	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	155213CK	Mean Well ☺	P40A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	35.95	32.36	29.12	26.21
	297692CK	Mean Well ☺	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355063CK	ReliaPro	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/2	0.6	UL/CUL/TUV/CE	29.39	23.51	20.58	19.52
	229016CK	Phihong ☺	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221575CK	Mean Well ☺	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	230480CK	Phihong ☺	PSA31U-180	30	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/2	0.5	UL/CUL/TUV/CE	30.95	27.79	25.09	23.85
	229024CK	Phihong ☺	PSA31U-240	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.95	22.99	21.95
	181884CK	Mean Well ☺	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	35.95	32.36	29.12	26.21
	297756CK	Mean Well ☺	P40A-6P2MU	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	229032CK	Phihong ☺	PSA31U-480	30	+48/0.63	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.6	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221583CK	Mean Well ☺	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
203043CK	Ault	SC200	32	+5/4, +12/1	100-240@50-60	5-pin DIN M	No	Black	5.0 x 3.0 x 1.6	6'/2	1.3	UL/CSA/CE	19.95	17.95	12.95	9.95	
211191CK	Westinghouse	FSA30P31	30	+5/3, +12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/2	1.1	UL/CSA/TUV	25.95	23.35	18.68	14.01	
404443CK	AcroPower	ASX30T-577/07	30	+5/3, +12/0.1 -12/0.5	100-240@50-60	5-pin DIN M	No	Black	6.0 x 3.5 x 2.0	6'/6'	2.0	UL/CUL/CE	19.95	17.95	16.16	14.54	
41-59 Watt	221487CK	Mean Well ☺	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	36.95	33.95	31.95	29.49
	622547CK	Samsung	AD-4212L	42	+12/3.5	100-240@50/60	1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	21.95	19.75	17.79	15.99
	622555CK	Samsung	AD-4212L-2.1	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	24.95	22.45	20.25	18.19
	447099CK	Potrans	UP0482112D	48	+12/4	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.6 x 2.5 x 1.4	6'/2	0.7	UL/CUL/TUV	32.69	26.13	22.86	21.69
	221701CK	Mean Well ☺	P50A13D-R1BU	50	+5/4.0, +12/2.0 -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	48.95	44.09	39.69	35.69
	211107CK	Fortron	FSA5P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/2	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
237366CK	Mean Well ☺	P50A14E-R1BU	42	+5/3.5, +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	39.95	38.31	36.39	34.57	
60-80 Watt	155230CK	Mean Well ☺	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
	297721CK	Mean Well ☺	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
	376606CK	Mean Well ☺	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.95	30.95	29.45
	379671CK	Mean Well ☺	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	37.59	35.79	34.09	32.45
	391742CK	Mean Well ☺	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	38.45	34.85	31.39	29.45
	182959CK	Elpac	W7212	72	+12/6.0	95-250@47-63	5-pin DIN M	—	Black	6.2 x 3.8 x 2.6	6'/6'	2.5	UL/CSA/CE	54.95	49.49	39.59	29.69
	221428CK	Mean Well ☺	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	58.46	52.61	43.84
	221436CK	Mean Well ☺	U65S106-P2JU	80	+15/5.33	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	243045CK	Mean Well ☺	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	38.49	34.91	32.21	30.41
	221444CK	Mean Well ☺	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49

* See accessory table-top power cord chart on page 215 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Ⓛ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

Color Code Legend
New Sale Lower\$ QtySave

See page 225 for International Power Cords

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.



297633CK



355055CK



172064CK



221461CK

Polarity 1 (+) (center negative)



Female



Male

Polarity 2 (-) (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
60-80 Watt	161605CK	Mean Well ☺	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.6	1'9/16'	1.3	UL/CSA/TUV	\$44.95	\$39.95	\$35.95	\$32.95
	297633CK	Mean Well ☺	SPU50-6P2MU	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6/6'	1.3	UL/CUL/TUV/CE	44.95	39.95	35.95	32.95
	355055CK	ReliaPro	JR-TT-66-24	66	+24/2.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6/1' 2	1.2	UL/CUL/TUV/CE	34.95	32.21	28.68	27.31
	221452CK	Mean Well ☺	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x1.8	6/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	376614CK	Mean Well ☺	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6/6'	1.2	UL/CSA/TUV/CE	34.95	31.46	25.16	18.87
	379680CK	Mean Well ☺	P66A-8P2MU	66	+48/1.37	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6/6'	1.2	UL/CSA/TUV/CE	37.59	35.79	34.09	32.45
	172064CK	Mean Well ☺	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.7	6/6'	1.3	UL/CSA/TUV	44.95	40.49	36.45	32.75
	221461CK	Mean Well ☺	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49

* See accessory table-top power cord chart on page 212 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

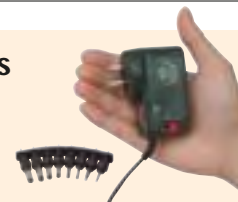
▲ Brand and product number may vary except for ReliaPro, Mean Well, Pihong and GlobTek

Compact DC Regulated Switching Power Adapter with Detachable Plugs

This state-of-the-art switching power adapter offers some major advantages such as stabilized outputs, short circuit and overload protection, compact design, and low idle consumption versus typical wall adapters.

- 8 plugs: 2.5mm M mono, 3.5mm M mono, 1.0mm x 3.0mm F, 1.3mm x 3.5mm F, 1.7mm x 4.0mm F, 2.1mm x 5.0mm F, 1.5mm x 5.5mm F, and 2.5mm x 5.5mm F
- Selectable output voltages: 3 / 4.5 / 6 / 7.5 / 9 / 12 VDC @ 800mA (regulated) with 1.5A max. output

See pages 216-221 for our selection of wall adapters.



Part No.	Description	Input Voltage	Power Output	Efficiency	Size	Weight	Price
239564CK	Compact power adapter	100-240VAC	10W	80%	2.9"H x 1.2"W x 1.9"D	0.2 lbs.	\$19.95

AC-to-DC Regulated Linear Table-Top Power Supplies

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 225 for International Power Cords



211060CK



174844CK



265295CK



318756CK

DIN M

Polarity 1 (+) (center negative)



Female



Male

Polarity 2 (-) (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	211060CK	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F 2	No	Black	3.4 x 2.7 x 2.2	6'6'6'	1.7	UL/CSA	\$11.95	\$10.76	\$8.85	\$6.45
	174844CK	Jameco 🟢	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.0 x 2.5	6'6'	2.6	—	18.65	16.78	13.42	10.07
3-Wire AC Input – Regulated Linear																	
3-15	664261CK	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	Black	4.4 x 2.5 x 2.0	6'6'	1.6	UL/CSA	\$14.95	\$13.49	\$11.85	\$9.95
	265295CK	—	T5121000/37	12.2	+5/1, ±12/0.3	120@60	5-pin DIN M	No	Black	4.5 x 3.0 x 2.5	6'6'	2.6	UL/CSA	9.69	8.72	6.97	5.23
	318756CK	Adcom	WM113TT	13	+5/0.86, ±12/0.3	115@60	5-pin DIN M	No	Black	4.9 x 3.0 x 2.2	6'6'	1.3	UL/CSA	31.99	27.15	25.35	24.29

▲ Brand and product number may vary except for ReliaPro, Mean Well, Pihong and GlobTek

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Unregulated Table-Top Power Supplies

We will change any power plug (pg 151) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 225 for International Power Cords



Quantity SAVE

Stripped

Polarity 1 (center negative)

Female

Male

Polarity 2 (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Power (W)	Volts (VDC)/Current (A)									1	10	50	100
2-Wire AC Input – Unregulated																	
9-30 Watts	190051CK	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.3 x 1.9	6'6"	1.9	UL/CUL	\$9.95	\$8.99	\$7.19	\$5.39
	243109CK	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'6"	1.2	UL/CSA	13.95	12.56	10.04	7.53
	354941CK	Terayon✔	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.3 x 1.9	6'6"	1.4	UL/CUL	14.95	13.46	10.76	8.07
	136565CK	Jameco	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'6"	1.2	—	15.35	13.82	11.05	8.29
	140880CK	Jameco	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'6"	1.5	UL	14.25	12.82	11.54	10.39
	143714CK	—	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'6"	2.2	CUL-No UL	16.45	14.80	13.32	11.99
	143722CK	Jameco	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'6"	2.2	UL/CUL	14.25	12.82	11.61	10.44
	143731CK	—	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	Black	3.8 x 2.8 x 2.3	6'6"	1.9	CUL-No UL	14.25	12.64	10.33	7.69
	139096CK	Jameco	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.1 x 2.6	6'6"	2.5	—	16.45	14.80	13.32	11.99
	173665CK	Skyenet	DND-3005	15	+30/0.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL	11.95	10.76	8.60	6.45
205920CK	Skyenet	DND-3012	30	+30/1.0	120@60	2.5mm x 5.5mm F 2	No	Black	4.0 x 2.9 x 2.5	6'6"	1.7	UL/CUL	8.95	8.06	7.25	6.52	
3-Wire AC Input – Unregulated																	
15-25	319222CK	—	SPU15A-3	15	+12/1.25	120@60	Stripped & Tinned	Yes	Black	3.6 x 1.5 x 1.4	15'3"/2	—	UL/CUL/CE	\$15.65	\$14.08	\$11.27	\$8.45
	157956CK	Everglow	EFU120150	18	+12/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.7 x 2.2	6'6"	2.0	UL	12.05	10.84	9.76	8.78
	196306CK	—	A51813D	23	+18/1.3	120@60	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.4 x 2.0	6'6"	1.8	UL/CSA	12.95	11.69	9.34	7.04

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek



38041CK



38050CK

* Accessory Power Input Cords for Table-Top Power Supplies



189587CK

For Additional Power Cords See Pages 226-227.

Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
38041CK	1	3-conductor power cord	Beige	18/3	UL/CSA	6'	0.4	SVT	\$3.49	\$3.15	\$2.69	\$2.33
38050CK	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	3.75	3.29	2.87	2.12
189587CK	3	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	2.95	2.65	2.37	2.10

SALE

SALE

Medical Table-Top & Wall Switching AC-to-DC Power Supplies

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA maximum
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078CK, pg 226
- Size: 2.9"L x 2.0"W x 1.6"H
- UL/CUL/TUV/CE approved for medical applications
- 3-wire AC input
- Isolation voltage: 4,000VAC



GlobTek® AC-to-DC Medical Regulated Switching Wall Adapters

- Input voltage: 100-240VAC @ 47-63Hz
- 3-prong input plug
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Output cord length: 6'
- Size: 2.9"H x 1.9"W x 1.6"D
- Agency approval: UL/CUL/TUV/CE approved for medical applications



Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230658CK	TR9CA2600CP	13.0	+5/2.6	\$28.95	\$26.06	\$23.72	\$22.47
230682CK	TR9CE1250CP	15.6	+12/1.3	32.95	29.65	26.69	23.99
230691CK	TR9CG1200CP	18.0	+15/1.2	32.95	29.65	26.69	23.99
230711CK	TR9CI750CP	16.8	+24/0.7	28.95	26.06	20.84	15.63
230738CK	TR9CA600LCP	30.0	+5/6.0	46.95	42.26	33.80	32.08
230762CK	TR9CE400LCP	49.2	+12/4.0	52.95	47.65	42.89	38.59
230771CK	TR9CG333LCP	49.5	+15/3.3	46.95	42.26	33.80	32.08
230797CK	TR9CI210LCP	50.4	+24/2.1	52.95	47.66	38.12	32.08

Blue Part No. = Limited Quantity Available

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230818CK	WR92A2600LCP	13.0	+5 @ 2.6	\$25.45	\$23.15	\$21.05	\$19.15
230842CK	WR92E1250LCP	15.6	+12 @ 1.3	30.95	27.86	25.07	22.56
230877CK	WR92I750LCP	16.8	+24 @ 0.75	25.45	23.15	21.05	19.15

Blue Part No. = Limited Quantity Available

For Open-Frame Medical Power Supplies, see page 193.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO ReliaPro

"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Input voltage: 100 – 240VAC @ 47-63Hz
- Output cord length: 6'
- Output connector: 2.1mm x 5.5mm F2 (center positive)

A Jameco
EXCLUSIVE

We'll Brand the Adapters
With Your Company Name
Call 1-800-831-4242 for Details

- Color: black
- One-year warranty



Part Number	Cross Ref. Number	Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
		Volt (VDC)	Curr. (mA)			1	10	50	100
251563CK	S08AA033150	3.3	1500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74
251598CK	S15AA033250	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22
252700CK	S08AB050050	5.0	500	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.34
252718CK	S08AB050100	5.0	1000	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252726CK	S08AB050150	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21
252734CK	S15AB050250	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252751CK	S08AD090050	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
252769CK	S08AD090090	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252777CK	S15AD090120	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252785CK	S15AS090170	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11
252793CK	S08AE120025	12.0	250	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33

Part Number	Cross Ref. Number	Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
		Volt (VDC)	Curr. (mA)			1	10	50	100
252806CK	S08AE120050	12.0	500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74
252814CK	S08AE120070	12.0	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252822CK	S15AE120100	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252831CK	S15AE120140	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252890CK	S08AF150050	15.0	500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
254756CK	S15AF150080	15.0	800	2.9x1.3x2.2	0.2	13.15	11.94	10.99	10.60
252902CK	S15AF150120	15.0	1000	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252849CK	S08AH240013	24.0	130	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252857CK	S08AH240025	24.0	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252865CK	S15AH240050	24.0	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252873CK	S15AH240063	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52



Energy Star/European Compliant Interchangeable-Plug Wall Adapters

Meets US and European Energy Star compliance.
Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Power-On LED
- Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Regulated output
- Class B EMI
- Energy Star and ECOC compliant

Wall Adapters (Plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking



NEW



Shown with plug clip not included



Shown with plug clip included

Part No.	Product No.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing			
										1	5	25	100
228743CK	PSA05R-050	5	5	1.0	50	±5%	±5%	60	2.8 x 1.8 x 1.2	\$13.05	\$11.85	\$11.35	\$11.07
228770CK	PSA05R-120	5	12	0.42	120	±5%	±5%	60	2.8 x 1.8 x 1.2	13.95	13.25	12.60	12.50
662864CK	PSM11R-050	10	5	2.0	100	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.69	13.78	13.25	12.70
662872CK	PMS11R-090	10	9	1.12	100	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.29	13.49	13.11	12.70
662881CK	PSM11R-120	10	12	0.84	120	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.29	13.44	13.11	12.70
662899CK	PSA15R-050P	15	5	3.0	50	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89
662910CK	PSA15R-120P	15	12	1.25	120	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89
663728CK	PSA15R-480P	15	48	0.31	480	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89

High Efficiency, Non-Energy Star

228785CK	PSA11R-033	6.6	3.3	2.0	50	±1%	±5%	65	3.4 x 2.1 x 1.4	\$15.99	\$14.55	\$13.19	\$12.05
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Blue Part No. = Limited Quantity Available

AC Plug Clips & Plug Clip Kit (sold separately, required for above adapters)



Part No.	Product No.	Description	1	10	50	100
229155CK	RPA	USA Plug	\$5.53	\$5.52	\$5.15	\$5.51
229163CK	RPE	European Plug	.65	.61	.60	.59
229180CK	RPKIT	Kit w/ RPA/RPE/RPK/RPS (AUST)	3.15	2.85	2.75	2.65

Blue Part No. = Limited Quantity Available

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



2.5 Watt USB Power Adapter with Interchangeable Plug

- USB socket
- Efficiency: 55% (typical)
- Voltage input range: 90-264VAC @ 47-63Hz
- Voltage output: 5VDC @ 0.5A
- Leakage current: 0.20µA max.
- UL/CUL/TUV/CE approved
- ECOC compliant and RoHS compliant
- Size: 2.97"L x 1.81"W x 1.25"H

NEW



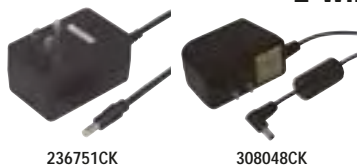
Part No.	Product No.	1	5	25	100
662805CK	PSC30R-05	\$16.69	\$15.15	\$13.21	\$11.54



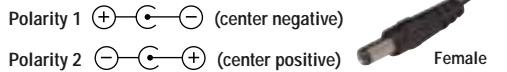
Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business day shipment.

2-Wire AC Input – AC-to-DC Regulated Switching Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Part Number	Brand	Product Number	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
230543CK	Phihong	PSA05A-050	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	\$10.95	\$9.86	\$7.88	\$5.91
228881CK	Phihong	PSC10A-050	5	2000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.09	11.88	11.12	10.36
210893CK	ReliaPro	S15AB050200	5	2000	2.5mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
236751CK	GlobTek	WR92A2600CCP1	5	2600	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 1.9 x 1.6	Black	6'	0.5	UL/CUL/TUV/CE	13.49	12.15	10.95	9.85
319880CK	Mean Well	ES18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
228937CK	Phihong	PSC15A-050	5	3000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
379621CK	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380322CK	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380007CK	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380331CK	Mean Well	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228890CK	Phihong	PSC10A-090S	9	1100	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.79	11.99	10.99	10.49
228945CK	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.85	11.59	11.45	11.35
319898CK	Mean Well	ES18U09-P1J	9	2000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
380138CK	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380349CK	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
229753CK	Phihong	PSC10A-120S	12	830	2.1mm x 5.5mm F 2	90-132@ 57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.95	11.89	10.99	10.59
228953CK	Phihong	PSC15A-120	12	1250	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
312864CK	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	12.29	11.35	10.62	9.89
380154CK	Mean Well	ES25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380357CK	Mean Well	ES25U12-P1M	12	2080	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.79	15.39	14.94	14.23
319919CK	Mean Well	ES18U15-P1J	15	1200	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380171CK	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380365CK	Mean Well	ES25U15-P1M	15	1670	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.25	12.89
380189CK	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380373CK	Mean Well	ES25U18-P1M	18	1390	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228970CK	Phihong	PSC15A-240	24	620	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.89	11.68
319927CK	Mean Well	ES18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380200CK	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380390CK	Mean Well	ES25U24-P1M	24	1040	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380218CK	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380402CK	Mean Well	ES25U28-P1M	28	890	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380234CK	Mean Well	ES25U36-P1J	36	690	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380411CK	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380242CK	Mean Well	ES25U48-P1J	48	520	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380445CK	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89

Other Manufacturers — Great Deals

SALE

Quantity SAVE

225995CK	Delta Electronics	ADP-5DB	5	1000	2.5mm x 5.5mm F 2	100-120@50-60	2.5 x 1.8 x 1.1	Black	6'	0.2	UL	\$10.95	\$9.85	\$7.89	\$5.89
308048CK	Potran	UWP010210500	5	1500	2.1mm x 5.5mm right angle F 2	100-240@60	2.8 x 1.4 x 2.1	Black	10'2"	0.5	UL/CUL	11.75	10.58	8.46	6.35
216442CK	AK II Power Supply	A05C1-05MP	5	1600	2.5mm x 5.5mm F 2	100-240@50-60	2.2 x 1.8 x 1.1	Black	6'	0.4	UL/CUL/CE	12.95	11.65	10.49	9.49
308697CK	Both Hand	MI-10505	5	2000	2.1mm x 5.5mm F 2	120@60	2.2 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.65	9.59	7.67	5.75
308689CK	Fairway Elec.	WN10A-050	5	2000	2.5mm x 5.5mm F 2	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.4	UL/CUL/TUV/CE	11.39	10.45	9.98	9.50
189190CK	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.49	11.24	8.99	7.19
210892CK	—	EPA1011MU	5	2000	2.5mm x 5.5mm F 2	100-240@50-60	3.2 x 2.4 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.66	10.49	9.44
248743CK	MEI	EPA-101M-05A	5	2500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.4 x 1.4	Black	6'	0.5	UL/CUL	13.49	12.14	9.71	7.28
305066CK	Ault	SC102TA0503B01	5	3000	2.5mm x 5.5mm F 2	100-240@47-63	2.9 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	11.65	10.52	9.94	8.49
308671CK	Highpower	HPW-1009U	9	1110	2.1mm x 5.5mm F 2	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.3	UL/CUL/TUV/CE	11.89	10.97	10.24	9.50
421649CK	Unifive	US100913	9	1300	2.5mm x 5.5mm F 2	100-120@50-60	2.4 x 1.7 x 1.2	Black	6'	0.2	UL/CUL	11.89	10.70	8.56	6.42
298054CK	DVE	DSA-009-12A	12	750	2.1mm x 5.5mm F 2	90-132@47-63	2.7 x 1.1 x 1.8	Black	6'	0.3	UL/CUL	11.89	10.70	8.56	6.42
235096CK	DVE	DSA-0151A-12S	12	1250	2.1mm x 5.5mm F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.3	UL/CUL	13.49	12.14	9.71	7.28
320311CK	Gilat	E040105E	24	1670	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 2.4 x 1.6	Black	6'	0.7	UL/CUL	14.95	13.46	11.68	10.25

† 3-wire AC input

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

⬢ Blue Part No. = Limited Quantity Available

AC-to-DC Wall Adapters continued on pages 218 - 220

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

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AC-to-DC Regulated Linear Wall Adapters

Color Code Legend
New Sale Lower\$ QtySave



2-Wire AC Input – AC-to-DC Regulated Linear Wall Adapters

• One-year warranty

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum)
for a small additional charge.



Polarity 1 \oplus \ominus (center negative) Polarity 2 \ominus \oplus (center positive) Female DIN M

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
164101CK	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	\$10.95	\$9.86	\$8.87	\$7.98
220935CK	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.29	11.06	8.85	6.64
196411CK	ReliaPro	DDU050100	5	1000	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Ivory	6'	1.0	UL/CUL	12.05	10.84	9.76	8.78
168605CK	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.55	11.54	10.62	9.12
190512CK	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	7.65	6.89	5.98	4.47
220898CK	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.65	7.29	6.85	6.45
162996CK	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.86	8.87	7.98
170245CK	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	15.35	13.82	12.43	10.36
174861CK	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
174879CK	ReliaPro	RFU240050	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62

Other Manufacturers — Great Deals

SALE

Quantity SAVE

319847CK	—	DV-530R	5	300	2.5mm x 5.5mm F 2	120@60	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	\$7.15	\$6.45	\$5.79	\$4.81
289182CK	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F 2	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	10.49	9.45	7.55	5.65
319986CK	—	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.16	5.37
425519CK	Condor	DV-51AR	5	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CUL	10.69	9.62	7.70	5.77
297941CK	—	JOD-480-08	5	1000	2.5mm x 5.5mm F 2	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	10.99	9.24	8.90	8.00
228726CK	ORB	777-052000S-UF	5	2000	2.1mm x 5.5mm F 2	100@60	3.1 x 2.1 x 1.5	Black	5'	0.5	UL/CUL	12.95	11.49	10.49	9.49
154624CK	Motorola	512-305-4C3E	+5/±12	500/130	8-pin DIN M	120@60	2.9 x 2.6 x 1.9	Black	6'	1.2	UL/CSA	12.95	11.66	10.09	9.29
283573CK	—	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.05	6.21	5.49
190529CK	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.21
425527CK	Condor	48-9-700R	9	700	2.1mm x 5.5mm F 1	120@60	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.89	10.97	10.42	9.50

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

● Blue Part No. = Limited Quantity Available

2-Wire AC Input – AC-to-DC Unregulated Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum)
for a small additional charge.

• Input: 120VAC @ 60Hz

• One-year warranty



Polarity 1 \oplus \ominus (center negative) Female Male Stripped Polarity 2 \ominus \oplus (center positive)

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
112070CK	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$8.05	\$7.25	\$6.52	\$5.87
155601CK	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	5.19	4.67	4.20	3.50
119255CK	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	4.75	4.28	3.85	3.46
101266CK	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.59	4.28	3.42	2.57
15544CK	ReliaPro	DBU060050	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.75	4.25	3.82	3.44
147707CK	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.45	4.94	4.46	4.02
220943CK	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	7.15	6.44	5.79	5.21
220951CK	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	9.19	8.29	6.65	4.95
280250CK	ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	5.49	4.73	4.61
127511CK	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	7.09	6.38

Other Manufacturers — Great Deals

SALE

Quantity SAVE

237227CK	Freeplay	DX351307	4.5	100	1.3mm x 3.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	\$1.95	\$1.76	\$1.40	\$1.05
320303CK	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.86	7.88	5.91
219651CK	—	FE4823-050E120	5	1200	2.5mm x 5.5mm F 2	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.47	3.71	2.78
37251CK	Freeplay	DPX350817	6	100	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.53
243117CK	Regal	WH060200-10N	6	200	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.16	2.53	1.90
302439CK	—	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.99	3.59	3.09	2.74
201451CK	APX Technologies	AP4733	6	700	2.1mm x 5.5mm F 2	2.6 x 1.9 x 1.4	Black	6'	0.5	UL/CUL	4.95	4.46	3.56	2.67
227951CK	—	JOD-48U-33	6	2100	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.79	7.15	6.45	5.79
248751CK	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	3.50
249279CK	AESP	FO-AC-4305	7.5	1000	2.1mm x 5.5mm right angle F 2	3.2 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	6.95	6.25	5.65	5.09
230623CK	—	MKD-48752100	7.5	2100	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.95	7.15	6.45	5.79

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

More AC-to-DC Wall Adapters listed on pages 216, 217, 219 & 220

AC-to-DC Unregulated Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



• Input: 120VAC @ 60Hz • One-year warranty



219601CK

227774CK

213559CK

Polarity 1 (center negative) Female Male Stripped Polarity 2 (center positive)

Quantity SAVE

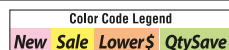
Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
100845CK	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	\$4.49	\$3.97	\$3.48	\$3.14
134025CK	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.45	4.90	3.92	2.94
100837CK	ReliaPro	DBU090020	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	4.35	3.95	3.58	3.25
133891CK	ReliaPro	DBU090030	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.49	3.05	2.59
189238CK	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.79	4.31	3.45	2.59
318676CK	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.29	3.83	3.37	3.20
202155CK	ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	3.65	3.26	2.93	2.64
140636CK	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	4.59	4.17	3.73	3.36
202171CK	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.35	3.91	3.13	2.35
163627CK	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.49	4.95	4.45	3.95
100853CK	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.45	4.90	4.41	3.97
147731CK	ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	4.55	4.09	3.69	3.39
236937CK	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.35	5.72	5.14	4.63
15561CK	ReliaPro	DCU090050	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.35	4.81	4.33	3.90
202180CK	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.39	4.83	4.35	3.68
100175CK	ReliaPro	DCU090060	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.22	4.68	4.35
202198CK	ReliaPro	DCU090080	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.65	6.89	6.20	5.58
364576CK	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.75	7.87	6.98	6.06
127504CK	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.25	7.42	6.68	5.55
15587CK	ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
130526CK	ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.08	5.31
143693CK	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.95	9.86	7.65	5.70
163993CK	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.25	4.73	4.25	3.83
100095CK	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.92	3.12	2.34
158043CK	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
220433CK	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
185658CK	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	4.28	3.56
219601CK	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.35	3.91	3.12	2.34
318692CK	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976CK	ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.25	4.59	3.85	3.25
249236CK	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	5.35	4.23	3.73	3.40
190502CK	ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.62	5.30	4.00
114825CK	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.25	4.78	3.80	2.85
15368CK	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.15	6.44	5.79	5.21
102496CK	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.79	4.58	4.00	3.81
131300CK	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
102277CK	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
17267CK	ReliaPro	DCU120050	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
202201CK	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.45	4.90	4.32	3.99
202219CK	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.69	5.14	4.11	3.08

Other Manufacturers — Great Deals

308056CK	—	A40910M	8.7	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	\$6.75	\$6.09	\$5.49	\$4.55
622563CK	Stancor	STA-3590B	9	100	2.1mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	3.19	2.89
265480CK	Uniden	AD-600B	9	100	2.1mm x 5.5mm right angle F 2	2.1 x 1.4 x 1.4	Black	6'	0.3	UL/CSA	3.49	2.79	2.45	2.35
355936CK	—	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.79	3.41	2.72	2.05
237243CK	Freeplay	DPK351322	9	200	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.79	3.45	3.15	2.79
400899CK	WABI	LF09250D-08	9	250	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.09	3.27	2.86	2.15
657029CK	Motorola	SPN4622A	9	300	1.35mm x 3.5mm right angle F 2	2.3 x 1.8 x 1.5	Black	6'	0.4	UL	4.29	3.95	3.19	2.10
169519CK	Panasonic	KX-TCA1	9	350	2.1mm x 5.5mm right angle F 1	2.7 x 1.7 x 1.6	Dk. Gray	6'	0.4	UL/CSA	3.85	3.47	3.12	2.81
319177CK	Explore Tech.	41-9-5000	9	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.15	3.74	3.12	2.29
170270CK	Panasonic	POLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
652341CK	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.29	4.75	4.10	3.75
421577CK	Powerline	0900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	7.35	6.62	5.29	3.97
164929CK	—	DDU090100	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.75	7.86	6.33	4.72
227774CK	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.15	6.43	5.54
421690CK	Fisher-Price	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	7.15	5.68	4.97	3.73
285958CK	API	AP2072P	9	1000	2.5mm x 5.5mm right angle F 2	2.5 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.26	4.99	3.75
237067CK	APS	D9-15-950	9	1500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.3	UL/CUL	9.95	8.96	7.16	5.37
457799CK	Condor	DSA-0151F-09	9	200	2.1mm x 5.5mm F 1	3.2 x 2.1 x 1.7	Black	6'	0.5	UL/CUL	12.75	11.83	11.24	10.68
661079CK	—	DP300-04	12	200	2.1mm x 5.5mm right angle F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.59	2.89	2.10
211238CK	Quotrek	35D-12-250	12	250	2.5mm right angle M 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.15
201099CK	—	SPN4230A	12	300	1.3mm x 3.5mm right angle F 2	2.3 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	4.99	4.49	4.05	3.35

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

More AC-to-DC Wall Adapters listed on pages 216 – 218 & 220



Order 24/7 Toll Free 1-800-831-4242

AC-to-DC Unregulated Wall Adapters (Continued)

Color Code Legend
New Sale Lower\$ QtySave



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



• Input: 120VAC @ 60Hz • One-year warranty

Quantity SAVE

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Curr. (mA)							1	10	50	100
121232CK	ReliaPro	DDU120080	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	\$6.79	\$6.13	\$4.91	\$3.67
117479CK	ReliaPro	DDU120080	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.65	6.89	6.20	5.58
129331CK	ReliaPro	DDU120080	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	6.15	5.54	4.98	4.48
100870CK	ReliaPro	DDU120100	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	8.99	8.09	7.28	6.55
105478CK	ReliaPro	DDU120100	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392CK	ReliaPro	DDU120100	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
213559CK	ReliaPro	GPC-081	12	1000	Auto lighter power outlet	4.3 x 2.2 x 1.9	Black	—	1.1	UL/CUL	13.95	12.56	10.04	7.53
196779CK	ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036CK	ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.25	12.82	10.29	7.69
313226CK	ReliaPro	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881CK	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.25	12.82	11.54	10.39
101291CK	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	11.45	10.30	9.27	8.35
249738CK	ReliaPro	MW57-1202000	12	2000	Stripped & tinned	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25
308099CK	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	8.09	7.16	6.22
212812CK	ReliaPro	DBU140020	14	200	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.35	3.07	2.80	2.52
212821CK	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	4.95	4.45	3.55	2.66
123932CK	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.73	5.05
202243CK	ReliaPro	DDU140070	14	700	2.5mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	8.95	8.06	6.44	4.83
202260CK	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	8.75	7.65	6.88	6.15
190001CK	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
189982CK	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
155803CK	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
232258CK	ReliaPro	DDU150080	15	800	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL	9.35	8.41	6.73	5.05
203502CK	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.65	6.89	5.51	4.13
151992CK	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652CK	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.55	9.50	8.55	7.69
162317CK	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	8.75	7.65	6.86	6.15
181729CK	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272CK	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	10.95	9.86	8.38	6.28
206958CK	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285CK	ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635CK	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.86	7.08	5.31
191556CK	ReliaPro	DDU240050	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.89	7.98	6.66
139088CK	ReliaPro	DDU240050	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.75	7.19	6.45	5.35
168495CK	ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.05	10.84	9.76	8.78
220960CK	ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130CK	ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121CK	ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249113CK	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523CK	ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.86	8.87	7.98
215095CK	ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.49	6.79	6.05
230631CK	ReliaPro	MW48-4800250-2.1	48	250	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	4.89	4.39	3.99	3.67
215108CK	ReliaPro	MW57-4800500	48	500	2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	11.95	10.76	9.68	8.71
230640CK	ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	11.95	10.76	8.60	6.45
15309CK	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
123158CK	ReliaPro ↑	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	7.98

Other Manufacturers — Great Deals

355590CK	Southwestern Bell	PS-400	12	400	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	\$4.99	\$4.49	\$3.99	\$3.59
305103CK	—	AD1250-5LE	12	500	2.1mm x 5.5mm F 2	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	4.39	3.99	3.15	2.39
320266CK	CUI	DV-1280	12	800	2.1mm x 5.5mm F 2	2.4 x 2.4 x 2.0	Black	6'	0.8	UL/CSA	6.09	5.49	4.38	3.29
237358CK	QSE	P155-D150567	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	0.9	UL	5.19	4.69	4.19	3.79
211051CK	Calrad ↑	DV-1280 Dual	12	800	2.5mm x 5.5mm rt angle F 2 w/ input switch	2.6 x 2.4 x 1.9	Black	6'	0.9	None	2.35	2.19	1.99	1.79
240101CK	Broadxent	AD-121AN	12	1000	2.1mm x 5.5mm F 2	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	6.99	6.29	5.66	5.09
199566CK	Superworld	WK1201A01DN	12	1000	2.5mm x 5.5mm F 2 (w/ RF filter)	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	6.95	6.26	5.63	5.07
189579CK	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
371987CK	New Star	NS-889	13	1200	2.1mm x 5.5mm F 2	3.6 x 2.4 x 1.9	Black	6'	1.2	UL	6.59	5.30	4.65	4.41
192786CK	—	MK135100	13.5	1000	2.1mm x 5.5mm F 1	2.9 x 2.3 x 2.0	Black	6'	1.0	UL/CSA	6.95	4.29	3.86	3.55
447081CK	Technics	TEAD-48-131000U	13.5	1000	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	7.99	7.08	5.75	4.31
129314CK	—	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.19	4.67	3.74	2.80
217541CK	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2 w/ LED indicator	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
217568CK	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.99	5.39	4.31	3.23
206957CK	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F 2	3.6 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
404339CK	Ault	P48240500A020G	24	500	2.1mm x 5.5mm F 2	2.5 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.45	5.99	5.24	4.97
196322CK	3Com	P48240600A020G	24	600	2.1mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.1	UL/CSA	8.95	8.06	7.15	5.85

↑ 120 to 220VAC

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

More AC-to-DC Wall Adapters listed on pages 216 - 219

2-Wire AC Input – AC-to-AC Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 151) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



236814CK



233293CK



• Input: 120VAC @ 60Hz

• One-year warranty



308718CK



206421CK

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VAC)	Current (mA)							1	10	50	100
249017CK	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$5.69	\$5.15	\$4.10	\$3.09
100061CK	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	5.05	4.53	3.63	2.73
236814CK	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	5.45	4.90	4.41	3.97
102234CK	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
157041CK	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.65	6.89	6.20	5.58
112336CK	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.86	8.87	7.98
101258CK	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	5.05	4.54	3.71	3.28
10081CK	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.14	4.62	4.16
100167CK	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.12	4.61	4.15
10428CK	ReliaPro	ACU120100	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	5.69	5.15	4.65	4.19
167151CK	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	5.45	4.94	4.39	3.69
307838CK	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	13.95	11.19	9.79	9.30
153761CK	ReliaPro	ADU120160	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.05	10.84	9.76	8.78
171408CK	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.44	3.55	2.66
318684CK	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	9.00	8.03	6.85
100108CK	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
163053CK	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.79	7.08	5.31
121216CK	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77
87581CK	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.69	5.12	4.61	4.15
140599CK	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	9.85	8.90	7.14	5.38
10102CK	ReliaPro	ADU240100	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	8.75	7.89	7.09	5.95
176356CK	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	11.55	10.40	9.36	8.42

Other Manufacturers — Great Deals

Quantity SAVE

101127CK	Siemens	DFX10096B	7	1500	2.5mm x 5.5mm F	1.9 x 2.2 x 2.0	Black	7'6"	0.8	UL/CSA	\$5.45	\$4.90	\$3.92	\$2.94
210729CK	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.55	2.84	2.13
184751CK	PhoneMate	M/N40	9	450	2.1mm x 5.5mm right angle F	2.8 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	4.19	3.77	3.39	3.05
226131CK	US Robotics	AA0950	9	500	2.5mm x 5.5mm F	2.5 x 2.1 x 1.7	Black	6'	0.5	UL/CSA	4.49	3.99	3.65	3.29
249295CK	Pacrim	41A-9-700	9	700	2.5mm x 5.5mm F	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	3.99	3.59	3.25	2.95
233293CK	Horizon	ACU090080	9	800	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.15	4.64	3.99	3.55
355531CK	—	MW41-0901000A	9	1000	2.1mm x 5.5mm F	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
320258CK	US Robotics	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	8.95	8.05	6.44	4.83
217550CK	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	8.49	7.64	6.11	4.58
211271CK	Orig. Elec. Mfg.	AA-1250	12	500	2.5mm x 5.5mm F	2.3 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	4.59	4.15	3.65	3.29
285069CK	Shogyo	DV-1283	12	830	2.5mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.55	4.13	3.70
309884CK	—	AA-121A	12	1000	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	4.89	4.40	3.52	2.64
206404CK	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	6.95	6.29	5.65	5.09
210737CK	ITE Power Supply	PPI-1212UL	13	1200	2.1mm x 5.5mm F	3.3 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	4.95	4.49	3.59	2.69
421585CK	JBL Inc	A12-1A-01	14	850	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.55	4.85	4.32	4.03
185439CK	Ault	T5182200-A020G	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	8.25	7.42	5.94	4.46
308718CK	Comtrend	ACU-190051	19	510	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.39	4.85	4.39	3.65
206421CK	MG Electronics	MGT2410	24	420	Screw terminals	2.5 x 2.0 x 1.7	White	—	0.6	UL/CSA	6.49	5.84	5.26	4.73
206439CK	MG Electronics	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.19	6.49	5.85	5.25
305091CK	Ault	3264024000A1	24	1600	3.5mm M	2.9 x 2.7 x 2.2	Black	6'	1.5	UL	9.95	8.54	8.06	7.25

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

TRIAD Triad AC/DC Wall Adapters

- AC/DC unregulated
- Input rating: 120VAC @ 60Hz
- Output rating: 6-18VDC • 6' cord lengths



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete AC/DC Wall Adapter Offering at
www.Jameco.com/Prod/TriadWall

We're Listening to Your Requests

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to
NewProducts@Jameco.com

JAMECO
ReliaPro

AC-to-AC Table-Top Step-Down Adapter

- Input voltage: 120VAC @ 60Hz
- Output current: 4.0A
- Output plug: 2.1mm (ID) x 5.5mm (OD) female
- Attached AC cord
- Agency approvals: CSA
- Size: 3.7"L x 2.9"W x 2.5"H
- Output volts: 16VAC
- Output watts: 64W
- Cord (AC/AC): 6'/6'
- Color: black
- Weight: 2.8 lbs.

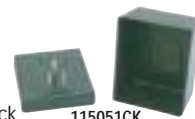
A Jameco
EXCLUSIVE

Part No.	Manufacturer	Product Number	1	10	50
176604CK	Jameco	TA661640	\$14.25	\$12.82	\$11.54

JAMECO
ReliaPro

Wall Adapter Enclosures

- Enclosures include 3-prong power plug and cable strain relief
- Size: 3.4"H x 2.7"W x 2.3"D
- Material: noryl • Color: black



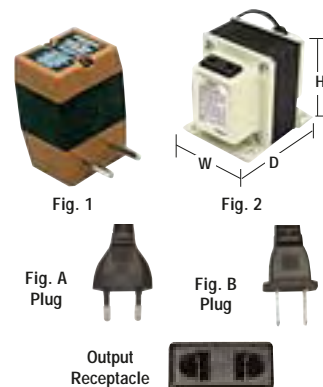
Part No.	Style	1	10	100
115051CK	Non-vented	\$2.25	\$1.95	\$1.69
115043CK	Vented	2.59	2.33	2.10

International Step-Up and Step-Down Transformers

- Wide selection to meet your power requirements

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Weight (lbs.)	Pricing		
							H"	W"	D"		1	10	100
99573CK	AC110V50	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	\$9.95	\$8.99	\$8.09
85016CK	AC110V300	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	27.95	24.95	22.49
111851CK	AC110V500	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	34.95	31.49	28.95
221250CK	GSD-1000	2/A	Auto	220VAC	110VAC	1000	4.63	3.81	6.06	17.0	59.95	50.96	38.22
142906CK	AC110V1500	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	71.95	63.69
99477CK	AC220V50	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
85008CK	AC220V300	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	27.95	23.76	17.82
221217CK	P8689	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	61.95	57.55	43.85
221313CK	G1SD-500	2/A	Isolation	220VAC	110VAC	500	4.69	3.75	6.00	16.0	89.95	80.95	72.85
222092CK	G1SD-1000	2/A	Isolation	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	149.95	127.46	95.59
221330CK	G1S-500	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	69.95	57.49

* Manufacturer may vary



Fixed and Variable Power Transformers

6VAC/9VAC Dual Output Power Transformer

12VA

- Input voltage: 120VAC
- Output voltage: 6VAC @ 500mA center tap (blue wires); 9VAC @ 1A center tap (yellow wires)
- Size: 2.1"L x 3.2"W x 2.0"H
- Weight: 1.3 lbs.



Part No.	Cross Ref. No.	1	10	100
183089CK	YS57H-099FAA	\$4.29	\$3.86	\$3.47

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103667CK and 109111CK (disconnect .25" solderless terminals), pg 149
- Maximum current: 2.5A
- Shaft length: 0.5" • Panel mount
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149323CK	320VA variable	\$53.95	\$48.59	\$43.75

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A
- Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty



Part No.	Description	1	10	50
152936CK	550VA variable	\$64.95	\$58.49	\$52.65

120VAC to 120VAC Isolation Transformer

300VA

- Input voltage: 120VAC @ 60Hz
- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D
- Weight: 7.0 lbs.



Part No.	Cross Ref. No.	1	10	100
181315CK	ITR300	\$44.95	\$38.21	\$28.66

110/220VAC Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/ European output plugs
- Lighted on/off power switch



121275CK

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121275CK	3A/250V (P/N 69438CK)	5.3 x 7.3 x 7.0	10.4
129007CK	5A/250V (P/N 10401CK)	9.4 x 6.5 x 7.7	14.8
152581CK	10A/250V (P/N 69462CK)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121275CK	500VA trans.	\$85.95	\$77.35	\$69.65
129007CK	1000VA trans.	164.95	140.21	105.16
152581CK	2000VA trans.	179.95	149.95	116.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 309.

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Closed Open

Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218173CK	.64" x .20" x 1.15"	\$.99	\$.89	\$.79
217841CK	.78" x .34" x 1.40"	1.45	1.29	1.15
318705CK	.82" x .45" x 1.42"	1.39	1.29	1.25

Square

Quantity SAVE

Part No.	Size (L" x W" x H")	1	10	100
421673CK	1.25 x .71 x .74 (white)	\$1.85	\$1.57	\$1.18
421681CK	1.30 x .70 x .77 (black)	1.85	1.57	1.18

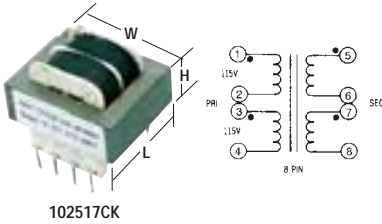
We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Split-Bobbin Power Transformers

SALE

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement

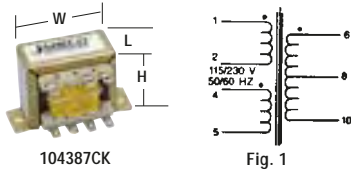


Part No.	Cross Ref. No.	Triad Cross	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292CK	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$5.25	\$4.49	\$3.35
102533CK	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.31	1.62	1.30	0.4	7.95	7.16	6.44
102517CK	XFR1602SB	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.17	1.38	1.20	0.3	6.89	5.86	4.39
221284CK	DSW-316	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.38	1.13	1.19	0.3	2.25	2.05	1.85
210921CK	14A-10-20B21	—	115/230	10.0	10V @ .05A	10V @ 1.0A	20VCT @ 0.5A	1.88	1.56	1.38	0.5	2.49	2.24	2.04
210956CK	DST2-24-845	—	115/230	1.1	12V @ .045A	12V @ .09A	24VCT @ .045A	1.13	1.13	0.94	0.2	6.49	5.85	5.25
176090CK	SPT41240-120	FS24250	115/230	6.0	12V @ .25A	12V @ .50A	24VCT @ .25A	1.33	1.63	1.59	0.5	6.95	6.25	5.59
102592CK	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.79	7.95	5.49
249412CK	DST-5-16	—	115/230	12.8	8V @ .80A	8V @ 1.6A	16VCT @ .80A	1.57	1.88	1.42	0.6	8.95	8.09	7.25
148559CK	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.72	0.7	7.49	6.37	4.77
210964CK	LP40-300-B14	—	115/230	12.0	20V @ .30A	20V @ 0.6A	40VCT @ 0.3A	2.50	2.00	1.07	0.7	3.95	3.59	3.25
209015CK	ST-6-48	—	115	19.2	24V @ .40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	2.59	2.32	2.11

Blue Part No. = Limited Quantity Available

Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick connect, solder

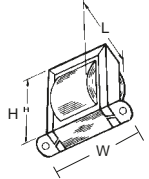
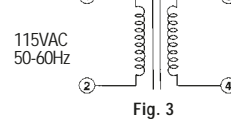
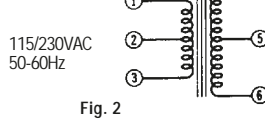
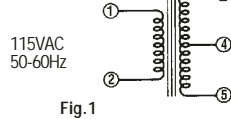


Part No.	Cross Ref. No.	Triad Cross	Fig.	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
104387CK	XFR1225Q	FD612	1	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	\$9.29	\$7.90	\$5.92
104408CK	XFR1635Q	FD716	1	115/230VAC	16VCT @ 3.5A	56.0	0.187"	2.00	2.70	2.30	1.8	12.95	11.69	10.49
101864CK	XFR2424Q	FD724	1	115/230VAC	24VCT @ 2.4A	57.6	0.187"	2.40	2.70	2.25	1.7	11.95	10.70	9.52
104416CK	XFR3615Q	FD736	1	115/230VAC	36VCT @ 1.5A	54.0	0.187"	1.90	2.70	2.30	1.8	9.95	8.99	8.09

115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.



- Primary: 115VAC or 115/230VAC, 50-60Hz



	Cross	Triad	Primary				Secondary				Lead	Fig.	Dimensions			Wt.	Pricing		
Part No.	Ref. No.	Cross	Color Code			VA	Voltage		Color Code		Type		L"	W"	H"	(lbs.)	1	10	100
102162CK	XFR6102	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.56	1.96	1.67	0.8	\$8.49	\$7.22	\$5.41
105523CK	XFR0910	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.79	1.96	1.66	0.7	6.95	6.25	5.63
221399CK	P-8657	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	3	2.13	3.25	2.00	1.3	9.15	8.49	7.15
221356CK	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	3	2.25	4.00	2.63	2.3	12.95	11.95	9.95
29225CK	XFR122	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.12	2.33	1.96	1.5	10.69	9.49	8.39
102154CK	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	10.95	9.31	6.98
149770CK	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.2	12.95	11.69	10.49
102120CK	XFR124	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.53	3.08	2.61	2.7	12.95	11.69	10.49
105531CK	XFR1810	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.32	2.05	1.90	1.2	6.95	5.91	4.43
149956CK	XFR1820	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.26	2.66	2.28	1.8	9.59	8.49	7.45
221381CK	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.8	1.5	0.6	6.95	6.26	5.63
102111CK	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.22	2.33	1.97	1.5	8.95	8.09	7.25
221372CK	P-8662	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.38	4.00	2.62	2.3	11.95	10.95	9.19
112512CK	XFR242N	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	3	2.21	3.58	2.25	1.8	10.35	9.39	8.49
221364CK	P-8663†	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	1	2.81	3.13	3.81	4.0	22.55	21.19	17.79
221410CK	P-8666†	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	1	4.63	3.75	4.63	11.2	39.95	36.39	33.19
99653CK	XFR242	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	2.70	2.30	2.5	11.95	10.35	7.99
102103CK	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	2.67	2.26	2.8	14.95	13.46	12.11
149796CK	XFR2820	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.3	12.95	11.69	8.59

* Center tap

† Solder terminals

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Free Technical Support

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Just call us! 1-800-831-4242



TRIAD

Power Transformers

- Primary: 115/230VAC, 50/60Hz

World Series PC and Chassis Mount (Fig. 1 & 2)

- Dual bobbin design with insulating shroud
- Constructed of UL approved high temperature material
- Meets CSA, IEC, VDE and UL requirements
- High isolation between primary and secondary
- VA ranges: 2.5 to 56VA (PC mount); 25 to 175VA (chassis mount)

Split Pack PC Mount (Fig. 3)

- Split bobbin, concentrically wound design with primaries and secondaries side-by-side
- Low capacitive coupling
- VA ranges: 1.1 to 36VA
- Hi-pot tested: 2500 V_{RMS}

Quick Pack Chassis Mount (Fig. 4)

- Offers a significant reduction in size and weight for a given VA rating
- VA range: 2.4 to 100VA

Flat Pack PC Mount (Fig. 5)

- Designed for low clearance PC board and solid state power designs
- Offered in dual primary and dual secondary configuration
- Hi-pot tested: 2000 V_{RMS}
- VA ranges: 2.5 to 12VA

Single Primary, Dual Secondary PC Mount (Fig. 6)

- Used in power, control and instrumentation applications
- Available in single or dual primary and dual center tapped secondary configurations
- VA ranges: 1.5 to 7.5VA
- Hi-pot tested: 1500 V_{RMS}

Dual Primary, Dual Secondary PC Mount (Fig. 7)

- Used in power, control and instrumentation applications
- Available in single or dual primary and dual center tapped secondary configurations
- VA ranges: 1.5 to 24VA
- Hi-pot tested: 1500 V_{RMS}

Universal Chassis Mount

- Designed for use with silicon diode rectifiers to supply DC voltages for transistors
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, X & U

Step-Up/Step-Down Autotransformers

- Single winding transformers—primary coil for voltage step-up; secondary coil for step-down
- VA ranges: 50 to 2000VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, X & U

Isolation/Medical

- Used for isolating equipment from direct connection to the power line
- Constructed with nonconcentrically wound coils
- Primary and secondary coils wound on separate arbors
- VA ranges: 15 to 1000VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, M, U & X

Single Secondary Chassis Mount

- Single primary with single and multiple secondaries
- VA ranges: 2.5 to 60VA
- Available in cases A, M, U & X

Control Chassis Mount

- Supply secondary voltages commonly utilized in electronic, electromagnetic & electrical control conditions
- VA ranges: 12 to 192VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases U & Z

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Power Transformer Offering at
www.Jameco.com/Prod/PowerTransformers



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Case Type
A

Case Type
M

Case Type
U

Case Type
X

Case Type
Z

TRIAD

Current Sensing Transformers

- Used to detect the current passing through a conductor
- Operate effectively over frequency range of 20kHz-200kHz
- Constructed of UL rated materials
- Available with center tap option



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Current Sense Transformer Offering at
www.Jameco.com/Prod/CurrentSenseTransformers

TRIAD

Gate Drive Transformers

- Used in all high frequency switching topologies to isolate control circuitry from line-connected switches
- Turn ratios of 1:1 and 1:1.5
- Constructed of UL rated materials
- Easily standardized at operating frequencies of up to 200kHz



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Gate Drive Transformer Offering at
www.Jameco.com/Prod/GateDriveTransformers

Class 1 Current Transformer

This series can be applied to test, control, display, and record the running of electrical equipment, and to protect the equipment against damage in the AC circuit.

- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Size: 3.0"L x 3.2"W x 1.6"T
- Weight: 1.1 lbs.

Includes: Mounting bracket and hardware

SALE



Part No.	Cross Ref. No.	Power	Ratio	1	10	100
174887CK	MSQ30	5VA	200A/5A; 5VA	\$4.49	\$3.89	\$3.54
					\$3.21	

Current Sensing Transformer

- Inductance: 5mH
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Terminating resistor: 50Ω
- Turns: 60
- Max. current: 300mA
- Sensitivity voltage (V_{out}): 1V
- Size: 0.8"H x 0.7"W x 0.4"T



Part No.	Cross Ref. No.	1	10	100
164718CK	MTC30101	\$2.15	\$1.95	\$1.75

More Power, Less Consumption!

Having the most sophisticated switching power supply isn't always advantageous. Lighting systems and AC motors, for instance, are well-suited for smooth, clean sine waves.

With the proliferation of some very sophisticated power management IC's, we're also forgetting about some of the basics. For instance, you could use a sophisticated variable output supply to vary voltage output, or you could simply parallel a suitable diode/rectifier with an AC switch. The rectifier passes only half the wave, and the AC switch passes the full wave.



Practical Practices
Money Saving Tips for the Engineer

International Power Cords

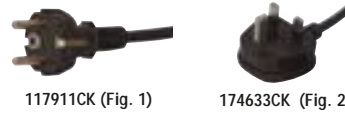
- 3-conductor detachable power cords
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- BSI: British Standard Institution

European Agency Approvals

Germany	VDE	
Austria	OVE	
Belgium	CEBEC	
Denmark	DEMKO	
Finland	FIMKO	
France	LCIE	
Netherlands	KEMA	
Norway	NEMKO	
Sweden	SEMKO	
Switzerland	SEV	

Fig. 3

Cord Configuration Chart – End 2



117911CK (Fig. 1)

174633CK (Fig. 2)

Cord Configuration Chart – End 1



A

Part No.	Cross Ref. No.*	Country	Agency Approvals	Cord Plug Fig.		Length	Cord Color	Conductors	Cord Type	Pricing			
				End 1	End 2					1	10	100	250
117911CK	PCVDE-6B	Europe	All in Fig. 3	A	1	6 ft.	Black	3/0.75mm ²	H05VVf	\$5.49	\$4.95	\$4.45	\$3.75
174633CK	21071H5182	UK/Ireland	BSI	A	2	8 ft.	Black	3/1.0mm ²	H05VVf	6.49	5.84	5.26	4.73

* Manufacturer may vary

Power Entry Filters and AC Receptacles

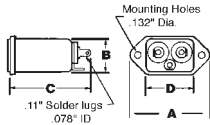


Fig. 1 (Solder Terminals)

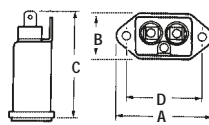


Fig. 2 (Fast-on Terminals)

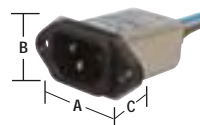


Fig. 3 (210913CK)

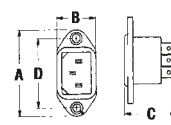


Fig. 4 (Male)

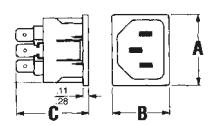


Fig. 5 (Female)



• Frequency: 50/60Hz

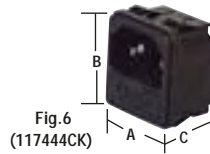


Fig. 6 (117444CK)

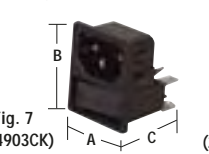


Fig. 7 (184903CK)

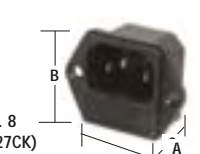


Fig. 8 (265527CK)



Fig. 9 (265527CK)



Fig. 10 (667454CK)

Part No.	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches)				Pricing			
									A	B	C	D	1	10	100	500
150615CK	03AC1	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	\$5.95	\$5.36	\$4.28	\$3.21
667462CK	YB06T1	Power entry filter, straight (flanged)	1	6	250	Solder	UL/CSA/VDE	0.26"	1.98	0.82	2.16	1.57	4.49	3.89	3.79	3.70
667438CK	YB03A1-A	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.26"	2.05	0.98	2.15	1.58	4.95	4.29	4.19	4.08
63132CK	06AE1	Power entry filter, straight (flanged)	2	6	250	Fast-on	UL/CSA/VDE	0.16"	1.96	0.88	2.06	1.58	6.95	6.29	5.65	5.09
16651CK	JR101	AC power inlet (male) flanged	4	15	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	.79	.71	.64	.58
218288CK	0708-1-CQ	AC power outlet (female) flanged	5	10	250	Fast-on	UL/CSA/VDE	0.189"	1.97	1.14	1.27	1.58	.51	.46	.41	.37
117444CK	0717	AC power inlet (male) fused (snap-in)	6	10	250	Fast-on	UL/CSA/VDE	0.187"	1.18	1.30	1.21	N/A	1.95	1.79	1.59	1.45
321621CK	WS-044A	AC power inlet (male) fused (snap-in)	8	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29
667454CK	SM8301	Power entry filter, straight (flanged)	10	10	250	Fast-on	UL/CSA/VDE	0.25"	1.97	0.88	1.06	1.57	.52	.494	.44	.386

Other Manufacturers — Great Deals

165016CK	SUP-J15G-E-2	Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	\$5.95	\$5.35	\$4.85	\$4.05
395647CK	2VK1	Power entry filter	9	2	250	Fast-on	UL/CSA/VDE	0.25"	2.81	0.91	3.10	N/A	6.95	6.05	5.49	5.22
210913CK	01GEEW3E	Power entry filter, straight (flanged)	3	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.36	4.28	3.21
147109CK	42R02	AC power inlet (male) snap-in	4	15	250	Fast-on	UL/CSA/VDE	0.25"	1.22	0.94	1.13	N/A	.65	.59	.51	.46
147900CK	P0707*	AC power inlet (male) flanged	4	15	250	Solder	UL/CSA/VDE	0.16"	1.96	0.89	1.04	1.58	.69	.62	.50	.37
184903CK	42R36315210U	AC power inlet (male) w/ switch (snap-in)	7	15	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.05
265527CK	WS-044	AC power inlet (male) fused	8	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29

* Manufacturer may vary † Includes spare fuse holder – Fuse type 5mm x 20mm (250V)

Corcom Flanged Power Entry Filter

- Frequency: 50/60Hz
- Current: 15A
- Voltage: 250VAC
- Fast-on terminal
- Terminal size: 0.25"
- Minimum order 2 pieces



Part No.	Cross Ref. No.	A"	B"	C"	D"	2	10	100
637634CK	6ESRM-3	1.98	1.58	0.9	1.19	\$1.85	\$1.71	\$1.60

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Corcom Snap-In Power Entry Filter

- Frequency: 50/60Hz
- Current: 6.0A
- Voltage: 250VAC
- Connector block terminal
- Terminal size: 0.045"



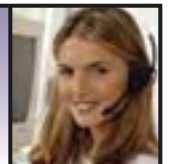
Part No.	Cross Ref. No.	A"	B"	C"	D"	1	10	25
611397CK	6J4	2.75	1.87	1.17	1.58	\$19.85	\$18.89	\$17.11

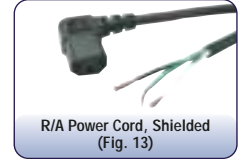
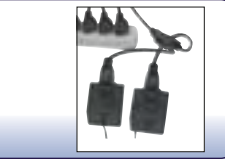
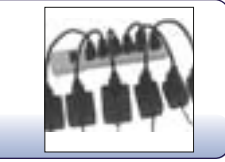
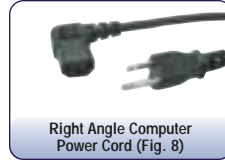
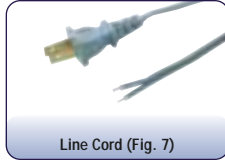
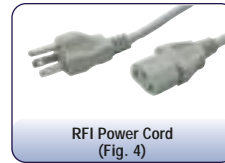
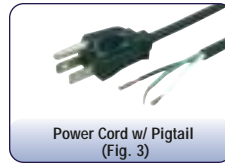
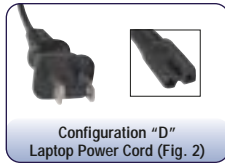
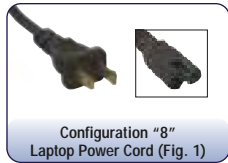
♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ www.Jameco.com





General Purpose Power Cords

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

SALE
Quantity SAVE

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor "8" style power cord for laptops and power supplies

189587CK	VW-1	.30	1	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.37	\$2.10
355944CK	VW-1	.30	1	6'	Gray	18/2	SPT-2	2.05	1.84	1.48	1.11

2-conductor "D" style power cord for laptops and power supplies

200791CK	LL114039	.30	2	6'	Black	18/2	SPT-2	\$2.49	\$2.24	\$1.79	\$1.34
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3-conductor power cord with pigtails

279662CK	32V86S	.32	3	6'	Black	18/3	SVT	\$2.79	\$2.55	\$2.05	\$1.55
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3-conductor power supply cord (shielded)

190625CK	37805	.75	4	10'	Beige	18/3	SJT	\$3.49	\$3.14	\$2.51	\$1.88
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3-conductor power supply cord

192727CK	17501J	.64	4	10'	Black	18/3	SJT	\$3.95	\$3.56	\$2.84	\$2.13
249383CK	LL34977	.72	4	9'	Black	16/3	SJT	3.95	3.55	2.85	2.15

3-conductor computer power supply extension cord

527814CK	PWRRCRG	.25	5	3'	Black	18/3	SJT	\$2.35	\$1.85	\$1.65	\$1.45
420224CK	10W1-02212	.53	5	12'	Black	18/3	SVT	3.89	3.02	2.87	2.73
319804CK	LR94903	.33	5	6'	Gray	18/3	SVT	4.15	3.74	2.99	2.24

3-conductor power cord w/ hospital grade male (green dot)

265412CK	EXITOW	.70	6	10'	Gray	18/3	SJT	\$7.35	\$6.65	\$5.95	\$5.39
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Jameco ValuePro™ Power Cords

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor power cord with pigtails

152186CK	17106BG	.20	7	6'	Beige	18/2	SPT-2	\$1.29	\$1.16	\$.93	\$.73
124433CK	ST008	.16	7	6'	Black	18/2	SPT-2	1.15	1.03	.83	.77

2-conductor power cord with pigtail with strain relief

42041CK	17106	.25	7	6'	Black	18/2	SPT-2	\$1.15	\$1.03	\$.93	\$.78
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* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service † European standard insulation color code

Jameco ValuePro™ Power Cords (Continued)

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

3-conductor power cord with pigtails

38009CK	17237	.31	3	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29
37997CK	17236	.30	3	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
159409CK	17405B	.37	3	6'	Black	18/3	SJT	2.59	2.15	1.95	1.79
102007CK	17535B	.49	3	10'	Black	18/3	SVT	3.99	3.59	2.87	2.15
196285CK	LL40378	.80	3	10'	Black	16/3	SJT	2.79	2.32	2.11	1.99
100271CK	17629B	.88	3	9'	Black	14/3	SJT	3.39	3.00	2.74	2.53

3-conductor power supply cord (shielded)

213874CK	17660BG	.40	4	6'	Beige	18/3	SVT	\$3.59	\$3.25	\$2.95	\$2.65
142607CK	17502	.63	4	6'	Black	16/3	SJT	3.99	3.59	2.87	2.15

3-conductor power supply cord

103747CK	17248	.34	4	6'	Gray	18/3	SVT	\$3.89	\$3.50	\$2.80	\$2.49
38041CK	17249	.37	4	6'	Beige	18/3	SVT	3.49	3.15	2.69	2.33
38050CK	17250	.36	4	6'	Black	18/3	SVT	3.75	3.29	2.87	2.12
132118CK	17500	.44	4	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29
117583CK	17502	.37	4	8'	Gray	18/3	SVT	3.49	3.14	2.51	1.88
171096CK	17758	.60	4	8'	Black	18/3	SJT	3.95	3.56	3.17	2.85
102023CK	17501V	.55	4	10'	Black	18/3	SVT	3.95	3.39	3.09	2.79
163361CK	6952299	.33	4	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91

3-conductor right-angle power supply cord

117356CK	8120-6177	.41	8	6'	Gray	18/3	SVT	\$3.95	\$3.56	\$3.19	\$2.88
38076CK	17250R	.54	8	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55

3-conductor computer power supply extension cord

28468CK	PEC	.36	5	6'	Black	18/3	SVT	\$3.89	\$3.50	\$2.80	\$2.10
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3-conductor power cord w/ hospital grade male (green dot)

132011CK	17006G	.82	6	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16
115078CK	17006	.84	6	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55

3-conductor computer monitor power adapter cord

177447CK	MPC1	.16	9	1'	Black	18/3	SVT	\$2.95	\$2.66	\$2.12	\$1.59
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3-conductor power cord (power strip saver)

199777CK	PSS-1	.16	11	1'	Black	18/3	SVT	\$1.69	\$1.55	\$1.39	\$1.25
208338CK	SY0527BG	.16	11	1'	Beige	18/3	SVT	1.69	1.45	1.09	1.03

3-conductor power cord ("Y" type power strip saver)

208346CK	GPR-2006	.38	12	2'	Black	18/3	SVT	\$3.25	\$3.09	\$2.89	\$2.75
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Jameco ValuePro™ Power Cords (Continued)



AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

Quantity **SAVE**

Part No.	Volex X-Ref.	Fig. (p.226)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing			
							1	10	50	100
3-conductor power cord w/ pigtails, NEMA 5-15P plug, PVC, black										
38025CK	17238	3	—	8'	18/3	SVT	\$3.29	\$2.75	\$2.45	\$2.25
339688CK	40407	3	290B	8'	18/3(16x30)	SJT	2.79	2.08	1.97	1.90
339717CK	17276-B	3	290B	20'	16/3(26x30)	SJT	8.59	7.73	6.18	4.63

3-conductor power cord w/ pigtails, NEMA 5-15P plug, rubber, black										
339830CK	17412	3	290B	9'	18/3(16x30)	SJT	\$6.05	\$4.48	\$4.26	\$4.11
339696CK	17409	3	290B	8'	18/3(16x30)	SJO	5.75	5.59	4.49	3.99
339709CK	17425	3	290B	15'	16/3(26x30)	SJT	11.05	10.07	8.15	7.30

3-conductor power cord w/ pigtails, NEMA 5-15P plug, shielded, black										
339768CK	17740	3	290B	6'7"	18/3(41x34)	SVT	\$3.15	\$2.99	\$2.85	\$2.70
339899CK	17741	3	290B	9'10"	18/3(41x34)	SVT	8.59	7.73	6.18	4.63
166924CK	17516	3	—	6'7"	14/3	SJT	4.15	3.75	3.39	3.05
339901CK	17517	3	173	9'10"	14/3(41x30)	SJT	5.99	5.39	4.59	3.69

3-conductor power cord w/ pigtails, NEMA 5-15P plug, unshielded, black										
339653CK	17747	3	290B	6'7"	18/3(41x34)	SVT	\$2.65	\$2.35	\$2.14	\$1.93
339661CK	17514	3	290B	6'7"	16/3(65x34)	SJT	3.65	3.27	2.79	2.09
339733CK	17534	3	290B	6'7"	18/3(41x34)	SVT	2.35	1.74	1.65	1.60
339741CK	17512	3	290B	6'7"	18/3(41x34)	SJT	2.59	2.36	2.16	1.94
339872CK	17513	3	290B	9'10"	18/3(41x34)	SJT	3.59	3.22	2.93	2.64
339881CK	17515	3	290B	9'10"	16/3(65x34)	SJT	3.79	3.70	3.60	3.54

3-conductor power cord w/ pigtails, NEMA, PVC, unshielded, gray										
173809CK	17405	3	—	6'	18/3	SJT	\$2.35	\$2.15	\$1.89	\$1.59

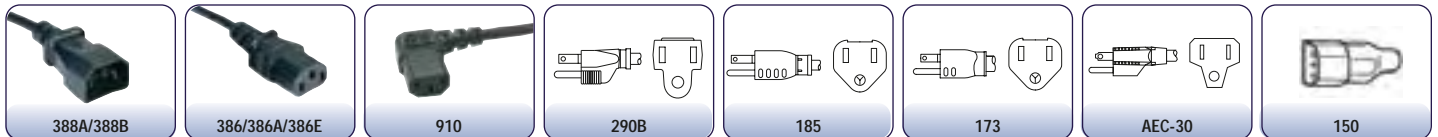
3-conductor power cord w/ pigtails, shielded, black										
339995CK	17751	13	910	6'7"	18/3(41x34)	SVT	\$4.05	\$3.81	\$3.62	\$3.44

3-conductor power cord w/ pigtails, unshielded, black										
339987CK	17518	10	386A	6'7"	18/3(41x34)	SJT	\$3.65	\$3.08	\$2.81	\$2.53
340005CK	17520	10	386E	6'7"	18/3(26x30)	SJT	2.95	2.79	2.65	2.51
340021CK	17254	10	386	7'6"	18/3(41x34)	SVT	2.55	2.42	2.30	2.19
340056CK	17537	13	910	9'10"	18/3(41x34)	SJT	4.15	3.74	2.99	2.24
340064CK	17519	10	386E	9'10"	18/3(41x34)	SJT	3.29	3.14	2.98	2.83
340072CK	17521	10	386E	9'10"	16/3(26x30)	SJT	4.25	4.10	3.99	3.75
340099CK	17539	13	910	9'10"	16/3(26x30)	SJT	4.49	4.27	4.05	4.04

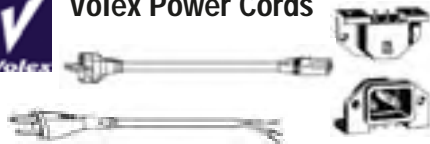
3-conductor power cord, "Y" twin end, black										
340566CK	17268A	14	150/250A	6'	18/3(41x34)	SJT	\$7.85	\$5.84	\$5.55	\$5.29
340531CK	17269A	14	150/250A	10'	18/3(41x34)	SJT	9.55	7.16	6.80	6.48
340540CK	17271A	14	150/250A	10'	16/3(26x30)	SJT	10.65	7.97	7.57	7.22

* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service; SJO (Round): Junior service with oil-resistant jacket † Temp. rating: 105°C  Blue P/N. = Limited Quantity Available

Plug Detail – Industry Standard Designations





Volex Power Cords



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Type	Length	Feature	AWG Stranding	O.D.	Rating	Color	Pricing		
								1	10	100
481908CK	3-conductor midicord	8'	Plug/connector	18 (41 x 34)	0.315"	10A, 125V	Gray	\$7.29	\$6.54	\$6.21
481916CK	Extension	10'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	8.85	8.46	8.07
481924CK	Extension	8'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	7.65	7.15	6.66
481932CK	2-conductor	2'	Connector	18 (41 x 34)	11 x 0.22	1A, 250V	Black	1.45	1.36	1.27
481941CK	International	2 meter	Plug/connector	H05VVF3G 1mm ²	—	10A	Black	4.75	4.53	4.31
481959CK	3-conductor	7'6"	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	4.45	4.16	3.87

See Our Complete Volex Power Cords Offering at www.Jameco.com/Prod/Volex

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New **Sale** **Lower\$** **QtySave**

Order 24/7 Toll Free 1-800-831-4242

227

Lead Acid Batteries

- Sealed
- UL approved
- Rechargeable
- Two-year warranty



Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
264014CK	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$8.99	\$7.89
317024CK	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	14.69	12.75
318941CK	LA-TY-12-.8	12	0.8	—	—	—	—	9" wire w/o connector	3.8 x 1.0 x 2.4	0.8	16.39	15.19
318844CK	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	13.99	12.69
264031CK	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	15.39	14.59
318924CK	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	16.19	14.69
264049CK	TY-12-4.5	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	15.79	14.55
264057CK	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	16.95	15.15
264065CK	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	30.65	28.25
264073CK	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	32.85	28.15
318852CK	LA-TY-12-35	12	35.0	—	—	—	—	Quick connect 0.644"	7.6 x 5.1 x 6.3	27.6	47.79	41.69



Tempest is an ISO-9001 Certified Company

Part No.	Product No.	Nominal Voltage	Amp-Hrs.	Standby Voltage	Cyclic Voltage	Terminal Size	(L" x W" x H")	Wt. (lbs.)	1	10
218421CK	TR22-12	12	22	13.6-13.8	14.5-14.9	Terminal pad 0.472"Dia.	7.2 x 3.0 x 6.6	15.0	\$39.95	\$35.95

Zinc Chloride, Silver Oxide & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095CK	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"Dia.	\$1.25	\$9.99	\$7.79

Silver Oxide

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
140783CK	357	1	Button	1.55	1600	0.454"Dia.	\$1.75	\$1.49	\$1.25

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
249181CK	LR031.5V	3	AAA	1.5	—	1.7"L x 0.40"Dia.	\$1.49	\$1.34	\$1.21
150965CK	Rayovac 840	4	—	4.5	600	1.14"L x 0.73"W x 0.96"H	9.95	8.99	8.06
198791CK	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	2.85	2.55	2.29

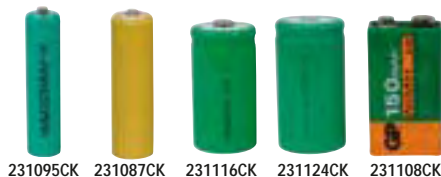


Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.

NiMH Batteries

Part No.	Description	1	10	25	100
231095CK	2x AAA, 600mAh	\$6.95	\$6.25	\$5.65	\$5.05
231087CK	4x AA, 1600mAh	13.95	12.55	11.29	10.19
231116CK	2x C, 3000mAh	12.49	11.24	10.12	9.11
231124CK	2x D, 7000mAh	17.99	16.19	12.95	10.96
231108CK	1x "9V", 150mAh	8.39	7.65	6.95	6.85



Compare our Awesome Prices in Batteries!

Jameco Part No.	Description	Jameco Price	Digi-Key Price	Mouser Price	Newark Price	Minimum Savings	Discount
318924CK	Lead Acid, 12V, 3.2Ah	\$16.19	\$26.57	\$20.00	Not offered	\$3.81	19.1%
240231CK	Lithium, CR2450, 3V, 500mAh	\$1.09	\$1.30	\$2.20	\$2.61	\$0.21	16.2%
244486CK	NiCd, AA-Cell, Flat Top, 1.2V, 600mAh	\$1.15	Not offered	\$9.27	\$1.60	\$0.45	28.1%
244961CK	NiMH, C, Flat Top, 1.5V, 2,500mAh	\$3.75	\$7.77	\$5.38	Not offered	\$1.63	30.3%

These are single unit prices taken from each party's website on February 28, 2006, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Eveready® Energizer® Alkaline Batteries



Fig. 2



Fig. 3



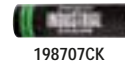
Fig. 4



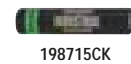
198731CK



215845CK



198707CK



198715CK



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- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size	1	10
198731CK	9-volt	\$1.89	\$1.81
215845CK	D	1.12	1.08

- Prepackaged: order in increments of 4

Part No.	Size	4	40	100
198707CK	AA	\$0.64	\$0.62	\$0.61
198715CK	AAA	.49	.44	.43

NiMH Charger

Universal battery charger for AAA, AA, C, D and "9V" cells (batteries not included).

- Recharge batteries singly or as a group
- Automatic charging current selection for different sizes of batteries
- Fast charging in the specified period with an automatic switch for trickle charge
- LED lamp to indicate proper charging
- Built-in IC timer control



Part No.	Description	1	5	10
231132CK	Universal charger	\$17.09	\$15.55	\$15.10

Rechargeable Battery Packs

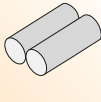
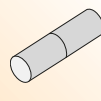
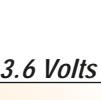
SALE

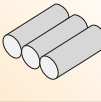
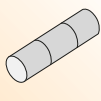
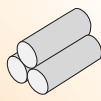
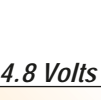
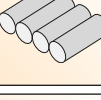
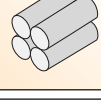
Special
 Sale All Battery
 Packs 10% Off.
 Limited Time

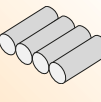
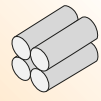
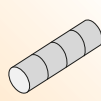
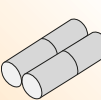
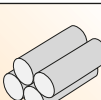
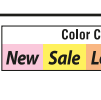
Jameco ReliaPro™ rechargeable battery packs are available in many configurations and capacities. Each series-connected pack is available with 6" lead wires or 0.125"W x 0.4"L solder tab hook-ups. Available in economical NiCad and powerful NiMH compositions.

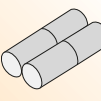
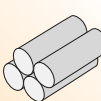
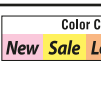

- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm) • SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

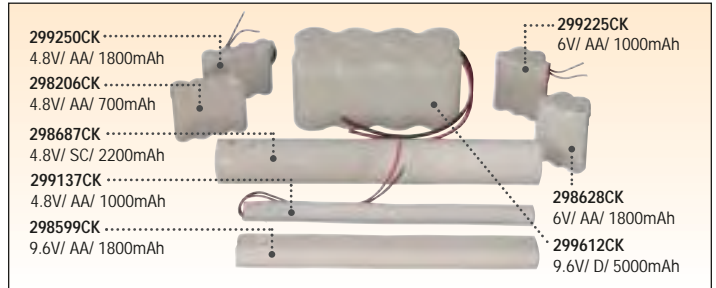
Blue Part No. = Limited Quantity Available

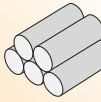
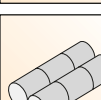
2.4 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298097CK	\$3.95	\$3.79	\$3.69	298935CK	\$4.79	\$4.69	\$4.55
	AA	NiCad	1000			298337CK	4.79	4.35	3.89	299081CK	5.89	5.65	5.39
	AA	NiMH	1800			298484CK	8.45	7.65	6.85	299233CK	10.15	9.69	9.19
	SC	NiCad	2200			298636CK	9.29	8.79	8.35	299381CK	10.15	9.69	9.25
	D	NiCad	5000			298783CK	22.25	19.99	17.79	299532CK	22.25	19.99	17.79
	AA	NiCad	700			298214CK	\$3.95	\$3.55	\$3.15	298960CK	\$4.79	\$4.69	\$4.55
	AA	NiCad	1000			298361CK	4.85	4.25	3.19	299111CK	5.89	5.69	5.45
	AA	NiMH	1800			298513CK	8.49	7.69	6.79	299268CK	10.15	9.69	9.25
	SC	NiCad	2200			298661CK	9.29	8.79	8.39	299410CK	10.15	9.69	9.25
	D	NiCad	5000			298812CK	22.19	19.99	17.79	299567CK	22.19	19.99	17.79

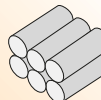
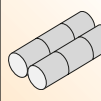
3.6 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298193CK	\$5.55	\$5.29	\$4.89	299090CK	\$8.39	\$7.69	\$7.05
	AA	NiCad	1000			298345CK	7.25	6.55	5.85				
	AA	NiMH	1800			298492CK	10.69	10.15	9.35	299241CK	11.59	10.59	9.39
	SC	NiCad	2200			298644CK	10.99	9.89	8.89	299399CK	11.85	10.75	9.75
	D	NiCad	5000			298791CK	31.69	28.49	25.65	299541CK	32.55	29.35	26.49
	AA	NiCad	700			298222CK	\$5.55	\$5.29	\$4.69	298978CK	\$7.85	\$7.25	\$6.59
	AA	NiCad	1000			298370CK	7.25	6.27	4.70	299129CK	8.39	7.69	6.99
	AA	NiMH	1800			298521CK	9.29	8.79	8.39	299276CK	11.55	10.99	10.49
	SC	NiCad	2200			298679CK	10.99	9.89	8.89	299428CK	11.85	10.75	9.75
	D	NiCad	5000			298821CK	31.69	28.49	25.65	299575CK	32.55	29.35	26.49
	AA	NiCad	700			298302CK	\$5.79	\$5.29	\$4.69	299057CK	\$5.15	\$4.99	\$4.70
	AA	NiCad	1000			298450CK	7.19	6.55	5.85	299209CK	7.19	6.55	5.85
	AA	NiMH	1800			298601CK	11.75	10.59	9.39	299356CK	14.39	12.99	11.79
	SC	NiCad	2200			298759CK	13.55	12.19	10.95	299508CK	14.39	12.99	11.79
	D	NiCad	5000			298901CK	37.29	33.59	30.25	299655CK	33.35	29.99	26.69

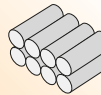
4.8 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298206CK	\$6.99	\$6.35	\$5.69	298951CK	\$7.85	\$7.19	\$6.55
	AA	NiCad	1000			298353CK	9.59	8.65	7.79	299102CK	10.45	9.49	8.59
	AA	NiMH	1800			298505CK	13.59	12.89	11.99	299250CK	14.39	13.75	13.09
	SC	NiCad	2200			298652CK	13.89	12.49	11.25	299401CK	14.75	13.35	12.09
	D	NiCad	5000			298804CK	39.99	35.99	32.39	299559CK	40.89	36.89	33.29
	AA	NiCad	700			298249CK	\$6.99	\$6.29	\$5.69	298994CK	\$7.79	\$7.19	\$6.55
	AA	NiCad	1000			298396CK	9.65	8.69	7.85	299145CK	10.45	9.49	8.59
	AA	NiMH	1800			298548CK	13.55	12.85	11.95	299292CK	14.39	13.75	13.09
	SC	NiCad	2200			298695CK	13.89	12.25	11.25	299444CK	14.75	13.35	12.09
	D	NiCad	5000			298847CK	39.89	35.89	32.29	299591CK	40.75	36.75	33.15
	AA	NiCad	700			298231CK	\$6.99	\$6.39	\$5.75	298986CK	\$7.85	\$7.25	\$6.59
	AA	NiCad	1000			298388CK	9.59	8.65	7.79	299137CK	10.45	9.49	8.59
	AA	NiMH	1800			298530CK	10.69	10.15	9.65	299284CK	14.39	13.75	13.09
	SC	NiCad	2200			298687CK	13.89	12.49	11.25	299436CK	14.75	13.35	12.09
	D	NiCad	5000			298839CK	39.99	35.99	32.39	299583CK	40.89	36.85	33.25

	AA	NiCad	700			298273CK	\$6.99	\$6.35	\$5.69	299022CK	\$7.85	\$7.19	\$6.55
	AA	NiCad	1000			298425CK	9.59	8.15	6.15	299170CK	10.45	9.49	8.65
	AA	NiMH	1800			298572CK	13.59	12.85	11.99	299321CK	14.39	13.75	13.09
	SC	NiCad	2200			298724CK	13.89	12.49	11.25	299479CK	14.75	13.35	12.09
	D	NiCad	5000			298871CK	39.99	35.99	32.39	299621CK	40.89	36.85	33.25
	AA	NiCad	700			298311CK	\$7.49	\$6.39	\$4.79	299065CK	\$7.75	\$7.05	\$6.25
	AA	NiCad	1000			298468CK	9.69	8.75	7.75	299217CK	10.95	9.95	9.05
	AA	NiMH	1800			298610CK	15.25	13.69	12.29	299364CK	14.95	13.45	12.79
	SC	NiCad	2200			298767CK	15.25	13.69	12.29	299516CK	16.09	14.55	13.19
	D	NiCad	5000			298919CK	42.45	38.19	36.29	299663CK	43.29	39.05	35.45



6.0 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298329CK	\$8.29	\$7.19	\$6.79	299073CK	\$9.25	\$8.05	\$7.69
	AA	NiCad	1000			298476CK	10.09	9.09	8.19	299225CK	11.89	9.95	9.05
	AA	NiMH	1800			298628CK	16.95	14.45	13.69	299372CK	17.75	15.29	14.59
	SC	NiCad	2200			298775CK	16.89	14.39	12.95	299524CK	17.75	15.19	13.79
	D	NiCad	5000			298927CK	47.55	40.39	38.39	299680CK	48.39	41.25	39.19

7.2 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298257CK	\$10.59	\$9.49	\$8.55	299006CK	\$11.45	\$10.35	\$9.49
	AA	NiCad	1000			298409CK	14.39	12.95	11.65	299153CK	15.25	13.75	12.45
	AA	NiMH	1800			298556CK	18.25	16.39	14.75	299305CK	19.09	17.25	15.59
	SC	NiCad	2200			298708CK	20.79	18.69	16.85	299452CK	21.65	19.55	17.69
	D	NiCad	5000			298855CK	59.79	53.79	53.15	299604CK	60.69	54.69	53.15

9.6 Volts		Cell Size		Type	mAh	Solder Tabs				Lead Wires			
						Jameco Part No.	Pricing			Jameco Part No.	Pricing		
							1	10	25		1	10	25
	AA	NiCad	700			298265CK	\$14.15	\$12.69	\$11.39	299014CK	\$14.95	\$13.49	\$12.25
	AA	NiMH	1800			298564CK	23.69	21.29	19.19	299313CK	24.55	22.15	20.05

Lithium, Lithium Ion and NiCd Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

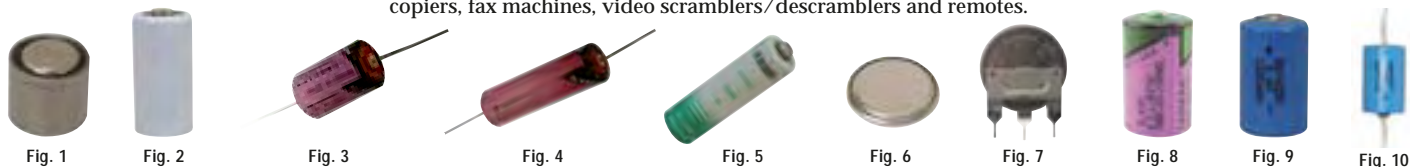
SALE

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Lithium & Lithium Ion

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011CK	CR1/3N	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	\$2.45	\$2.35	\$2.25
240258CK	CR123A	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.65	2.45	2.35
33371CK	TL5101P	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398CK	TL5104P	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	5.95	5.49	5.19
146114CK	TL2100S	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
240186CK	CR1616	—	Coin Cell	3	55	Clock/memory/watch	0.07"Dia. x 0.61"Th.	\$1.62 .35	.32	.29
240207CK	CR2016	—	Coin Cell	3	75	Clock/memory/watch	0.07"Dia. x 0.79"Th.	.40	.37	.29
240215CK	CR2025	—	Coin Cell	3	150	Clock/memory/watch	0.10"Dia. x 0.78"Th.	.29	.27	.26
11789CK	CR2325	6	Coin Cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Th.	1.65	1.47	1.25
252232CK	BR2325/1VG	7	Coin Cell	3	175	Vertical, PC mount	1.00"Dia. x 0.90"Th.	1.49	1.39	1.35
14162CK	CR2032	—	Coin Cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Th.	1.25	1.12	.94
240231CK	CR2450	—	Coin Cell	3	500	Clock/memory/watch	0.18"Dia. x 0.97"Th.	1.09	.93	.69
126754CK	TL5101S	8	Sub-AA	3.6	850	Macintosh*	0.95"L x 0.56"Dia.	6.95	6.29	5.65
240266CK	ER14250	9	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898CK	ER14250	10	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.29	4.11	3.90
263978CK	ER14335	10	Sub-AA	3.6	1450	With axial leads	1.30"L x 0.55"Dia.	4.79	4.62	4.36
240282CK	ER14335	11	Sub-AA	3.6	1450	Consumer tip	1.30"L x 0.55"Dia.	3.99	3.63	3.30
263943CK	ER14505	12	AA	3.6	2100	With axial leads	2.00"L x 0.57"Dia.	5.35	4.99	4.70
263903CK	ER14505	13	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.19	4.85	4.55
263935CK	ER14505	14	AA	3.6	2100	With solder tabs	2.00"L x 0.55"Dia.	4.99	4.75	4.52
240320CK	ER17335	15	Sub-A	3.6	1450	Consumer tip	1.30"L x 0.67"Dia.	4.49	4.05	3.01
264217CK	ER17335	—	Sub-A	3.6	1450	With axial leads	1.30"L x 0.67"Dia.	5.15	4.65	4.19
263986CK	ER26500	—	C	3.6	8500	With axial leads	2.00"L x 1.02"Dia.	13.19	12.42	11.67
240160CK	ER26500	16	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
263994CK	ER34615	—	D	3.6	16,500	With axial leads	2.40"L x 1.34"Dia.	15.35	13.85	12.45
240151CK	ER34615	17	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95
244646CK	UR18650H1	18	—	3.6	2200	Flat top lithium ion (rechargeable)	2.60"L x 0.71"Dia.	17.55	15.79	14.21

NiCd - Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244662CK	AAA-240	19	AAA	1.2	240	Flat top	1.70"L x 0.40"Dia.	\$1.69 \$.95	\$.86	\$.78
244540CK	AAA-240-CT	20	AAA	1.2	240	Consumer tip	1.70"L x 0.40"Dia.	1.79	1.65	1.45
244380CK	2/3AA-320	21	2/3AA	1.2	320	Flat top	1.10"L x 0.55"Dia.	\$1.19 .75	.65	.59
244443CK	4/5AA-600	22	4/5AA	1.2	600	Flat top	1.70"L x 0.55"Dia.	.82	.74	.67
244486CK	AA-600	23	AA	1.2	600	Flat top	1.90"L x 0.55"Dia.	1.15	1.05	.95
244507CK	AA-1000	23	AA	1.2	1000	Flat top	1.90"L x 0.55"Dia.	\$2.39 1.85	1.67	1.52
261657CK	AA-700-CT	24	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	1.37	1.25	.96
244515CK	AA-1000-CT	24	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
244355CK	1/3A-250	25	1/3A	1.2	250	Flat top	0.65"L x 0.65"Dia.	1.19	1.07	.86
244371CK	2/3A-650	26	2/3A	1.2	650	Flat top	1.10"L x 0.65"Dia.	\$1.59 1.25	1.11	1.01
244427CK	4/5A-1100	27	4/5A	1.2	1100	Flat top	1.70"L x 0.65"Dia.	\$1.49 1.40	1.33	1.28
244574CK	SC-1500	28	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.15	1.98	1.87
244654CK	SC-1900	28	Sub-C	1.2	1900	Flat top	1.70"L x 0.89"Dia.	3.69	3.23	3.08
244401CK	2/3SC-700	29	2/3SC	1.2	700	Flat top	1.00"L x 0.89"Dia.	2.85	2.56	2.05
244451CK	4/5SC-1250	—	4/5SC	1.2	1250	Flat top	1.30"L x 0.89"Dia.	3.15	2.82	2.59
244460CK	5/4SC-2300	—	5/4SC	1.2	2300	Flat top	1.90"L x 0.89"Dia.	\$5.45 3.25	2.92	2.66
244363CK	1/3C-700	—	1/3C	1.2	700	Flat top	0.87"L x 1.00"Dia.	\$2.35 1.89	1.72	1.56
244671CK	C-2000	30	C	1.2	2000	Flat top	1.90"L x 1.00"Dia.	3.69	3.35	2.99
244961CK	C-2500HT	30	C	1.2	2500	Flat top, high temperature	1.90"L x 1.00"Dia.	\$4.75 3.75	3.38	3.07
244523CK	C-2200-CT	31	C	1.2	2200	Consumer tip	1.90"L x 1.00"Dia.	3.75	3.39	3.09
244531CK	C-2500-CT	31	C	1.2	2500	Consumer tip	1.90"L x 1.00"Dia.	4.65	4.19	3.77
244347CK	1/2D-2200	32	1/2 D	1.2	2200	Flat top	1.40"L x 1.30"Dia.	3.89	3.50	3.15
244566CK	2/3D-2800	—	2/3 D	1.2	2800	Flat top	1.70"L x 1.30"Dia.	\$4.75 3.85	3.48	3.17
244697CK	D-5000	30	D	1.2	5000	Flat top	2.40"L x 1.30"Dia.	\$6.99 5.79	5.25	4.78
244558CK	D-5000-CT	31	D	1.2	5000	Consumer tip	2.40"L x 1.30"Dia.	6.15	5.59	5.09
244419CK	3/2D(F)-8000	33	F	1.2	8000	Flat top	3.45"L x 1.30"Dia.	12.15	11.05	10.05
126720CK	351FT	34	—	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116CK	3/V60R	35	—	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.75	3.39	3.05
101653CK	NA101-1	36	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95

* Blue Part No. = Limited Quantity Available

NiMH Batteries

SALE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

NiMH – Rechargeable

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244937CK	PRIZ-F6(48)-700	—	—	1.2	700	Flat top-prismatic	1.86"L x 0.65"W x 0.23"T	\$2.85 \$2.39	\$2.17	\$1.97
244582CK	2/3AAA-300	1	2/3 AAA	1.2	300	Flat top	1.11"L x 0.40"Dia.	\$1.34 .95	.85	.75
244785CK	5/4AAA-750	2	5/4 AAA	1.2	750	Flat top	2.00"L x 0.40"Dia.	2.29	2.11	2.05
261665CK	AAA-700FT	3	AAA	1.2	700	Flat top	1.70"L x 0.40"Dia.	2.25	1.99	1.91
244814CK	AA-1800	4	AA	1.2	1800	Flat top	1.90"L x 0.55"Dia.	2.19	1.99	1.79
244822CK	AA-1800-CT	5	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	2.35	2.12	1.99
244831CK	4/3AA-1900	6	4/3 AA	1.2	1900	Flat top	2.60"L x 0.55"Dia.	\$6.19 5.05	4.56	4.15
244857CK	2/3A-1100	7	2/3 A	1.2	1100	Flat top	1.10"L x 0.65"Dia.	3.25	2.92	2.63
244864CK	4/5A-1800	8	4/5 A	1.2	1800	Flat top	1.70"L x 0.65"Dia.	2.59	2.35	2.15
244970CK	A-2200	9	A	1.2	2200	Flat top	1.90"L x 0.65"Dia.	\$3.35 3.05	2.76	2.51
244890CK	SC-2900-HD	10	Sub-C	1.2	2900	Flat top, high discharge	1.70"L x 0.90"Dia.	6.49	6.04	5.89
244902CK	D-9000	11	D	1.2	9000	Flat top	2.40"L x 1.30"Dia.	19.29	17.36	13.89
244911CK	D-9000-CT	11	D	1.2	9000	Consumer tip	2.40"L x 1.30"Dia.	21.45	19.30	14.47
244620CK	9V-200	12	9V	9	200	Snaps	1.94"L x 0.65"Dia.	7.79	6.92	6.22

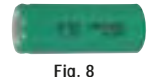


Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Green Laser Alignment Tool

- Finger-touch pressure switch
- 30x brighter than red laser
- Wavelength: 532nm • Distance: 2,000 yards
- Dot size: >1.75"Dia. @ 100 yards

Includes: 3V lithium battery



Part No.	Output Power	Size (L x Dia.)	1	10
421711CK	5mW max.	2.6" x 0.75"	\$199.95	\$179.95



Stylus Laser Pointer

A multi-function laser that serves as a stylus pen for PDAs. Buttons for a flashlight or a laser pointer.

- 500 yard range for laser-pointer function
- Super bright white LED for flashlight • Brass body, satin silver color

Includes: 3 LR41 batteries



Part No.	Output Power	Size (L x Dia.)	1	10
421702CK	5mW max.	5.625" x .375"	\$24.95	\$22.46

60° Line Generating Lens

- Adjustable focus range: 50 cm to ∞
- Back focal length: 1.5mm
- Focal length: 8.0mm
- Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)
- Length at 1 meter distance: 1.7 m

Class IIIa Laser Product



Part No.	Description	1	10	25
134148CK	60° lens	\$12.95	\$11.49	\$9.95

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia. • One-year warranty

Class IIIa Laser Product



Part No.	Description	Price
310519CK	Laser module, brass	\$44.95

Laser Diode and Driver

182932CK: Laser Diode

- Optical output power: <5mW maximum
- Operating current: 30mA
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- 5.6mm packaging size
- Beam divergence of 11° from center line max.

Class IIIa Laser Product



182932CK

161736CK: Laser driver w/ regulator

- Input voltage: 2.6-6VDC • Input current: 40mA

161736CK

Part No.	Description	1	10	25
182932CK	650nm laser diode	\$14.95	\$13.45	\$12.15
161736CK	Laser driver	7.95	6.95	6.25

650nm Line and Dot Laser Diodes

143845CK/173243CK:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating voltage: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

Class IIIa Laser Product



173243CK

143845CK: Line laser module

- Laser line width: 1mm • Laser fan angle: 60°

173243CK: Cross hair laser diode module

- Laser fan angle: 60° • Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837CK: Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143853CK

143853CK: Laser module mount

- Built to hold laser diode on target
- X-Y tilt, θ movement
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845CK	Line laser diode module	\$114.95	\$103.95
173243CK	Cross hair laser diode mod	89.95	80.95
143837CK	Regulated power supply	19.95	17.95
143853CK	Laser diode module mount	49.95	39.95

Green Laser Pointer



Even the sleepiest audience will sit up and salute when you whip out a laser pointer that's green, not red... and so bright, you could be standing nearly half a mile away. Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night. You won't believe how bright it is.

- Output wavelength: 532nm • Output power: <5mW
- 90-day manufacture warranty

Includes: Metal gift box, clip and 2 AAA batteries

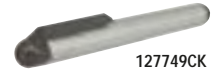
Part No.	Description	Price
223731CK	Green laser pointer	\$152.25



Laser Pointer Pens



153605CK



127749CK

- Range up to 500 yards • 670nm red laser

Includes: 2 AAA batteries

Class IIIa Laser Products

Part No.	Description	Size (L" x Dia")	1	10
153605CK	Black pen	5.2 x 0.4	\$19.95	\$17.95
127749CK	Silver brass	5.4 x 0.4	19.95	18.95

30-Day Money-Back Guarantee

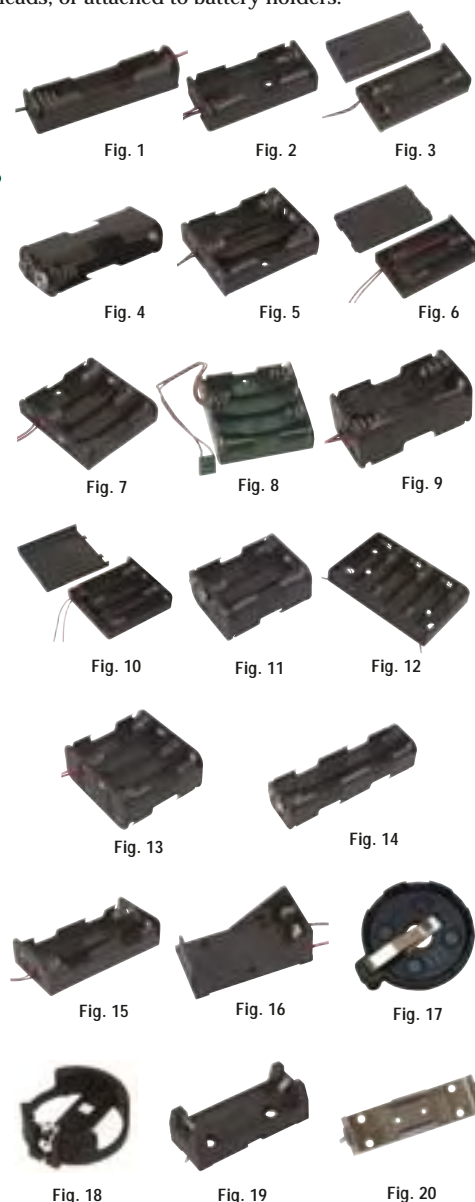
If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 309.

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071CK	BH-311-2A	1	1-AA	Wires	Single		\$.69	\$.62	\$.56	\$.46
216080CK	BH-321-2A	2	2-AA	Wires	Single		.69	.62	.56	.50
216098CK	BH-321-4A	2	2-AA	Wires	Single	With mounting tabs	.59	.53	.42	.32
216101CK	SBH-321-2A	3	2-AA	Wires	Single	With cover, no switch	.59	.53	.42	.32
216119CK	SBH-321-1AS	3	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216127CK	BH-322-1B	4	2-AA	Snaps	Dual		.59	.53	.42	.315
216135CK	BH-331-A	5	3-AA	Wires	Single		.89	.79	.72	.65
216143CK	SBH-331-AS	6	3-AA	Wires	Single	With cover and switch	.99	.79	.71	.53
216151CK	BH-341-2A	7	4-AA	Wires	Single		.99	.89	.84	.79
105857CK	* 4	8	4-AA	Wires	Single	Wires with connector	.89	.80	.59	.443
216178CK	BH-343-1A	9	4-AA	Wires	Dual		.65	.55	.47	.35
216186CK	SBH-341-1AS	10	4-AA	Wires	Single	With cover and switch	1.09	.89	.85	.75
216194CK	BH-341-2B	7	4-AA	Snaps	Single		.49	.39	.36	.32
216207CK	BH-343-1B	9	4-AA	Snaps	Dual		.59	.49	.45	.40
216215CK	BH-363-A	11	6-AA	Wires	Dual		.89	.80	.72	.65
216223CK	BH-364-A	12	6-AA	Wires	Single		.95	.85	.69	.51
216231CK	BH-363-B	11	6-AA	Snaps	Dual		.99	.75	.69	.65
216240CK	BH-383-A	13	8-AA	Wires	Dual		1.09	.98	.78	.59
216258CK	BH-382-B	14	8-AA	Snaps	Dual		1.19	.99	.89	.85
216266CK	BH-383-B	13	8-AA	Snaps	Dual		1.19	.99	.86	.64
216274CK	BH-411-1A	1	1-AAA	Wires	Single		.49	.38	.36	.35
216282CK	BH-421-1A	2	2-AAA	Wires	Single		.59	.53	.48	.43
216291CK	SBH-421-AS	3	2-AAA	Wires	Single	With cover and switch	.65	.59	.47	.35
216303CK	BH-431-1A	5	3-AAA	Wires	Single		.69	.62	.56	.49
216311CK	SBH-431-1AS	6	3-AAA	Wires	Single	With cover and switch	.75	.66	.59	.49
216320CK	BH-441-1A	7	4-AAA	Wires	Single		.89	.79	.72	.65
216338CK	SBH-441-AS	10	4-AAA	Wires	Single	With cover and switch	1.25	1.12	.90	.68
216346CK	BH-211-A	1	1-C	Wires	Single		.55	.50	.40	.30
216354CK	BH-221-A	2	2-C	Wires	Single		1.19	1.07	.86	.65
216362CK	BH-242-1A	15	4-C	Wires	Single		1.39	1.29	1.09	.99
216371CK	BH-111-1A	1	1-D	Wires	Single		.69	.59	.54	.49
216389CK	BH-121-1A	2	2-D	Wires	Single		.99	.89	.71	.53
216397CK	BH-121-1B	2	2-D	Snaps	Single		.99	.89	.79	.72
216400CK	BH-142-A	15	4-D	Wires	Single		1.19	1.07	.96	.72
216418CK	BH-143-1A	7	4-D	Wires	Single		1.15	.89	.81	.74
216426CK	BH-9V-A	16	1-9V	Wires	Single		.79	.69	.64	.59
216434CK	BH-511-1A	1	1-N	Wires	Single		\$.59	.29	.24	.20
38543CK	2S2325	17	1-CR2354 or 2-CR2325	PC Mount	Coin cell		1.10	.99	.89	.66
355434CK	17002-00603	18	1-CR2032	PC Mount	Coin cell		.63	.58	.49	.47
Other Manufacturers — Great Deals										
644009CK	1026	17	2-CR2016	PC Mount	Coin cell		\$.77	\$.71	\$.64	\$.44
237315CK	1029	19	1-2/3AA	PC Mount	Single		.59	.53	.48	.43
236996CK	103	17	1-CR2032	PC Mount	Coin cell		.99	.85	.69	.55
643954CK	139	20	1-AA	Tabs	Single		.63	.56	.51	.41

* Battery holder used in many personal computers

Blue Part No. = Limited Quantity Available



Compact Battery Tester

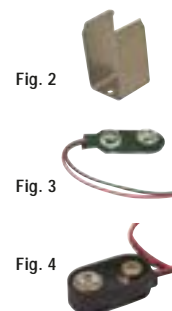
Simply lift the swivel arm of this battery tester and place your battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V and button cell batteries.



Part No.	Description	1	5
239556CK	Compact battery tester	\$4.49	\$3.99

"9-Volt" Battery Snaps and Clip

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225" • Female inner dia.: 0.215"



Part No.	Fig.	Description	Dimensions (in.)			Pricing			
			L	W	H	1	10	100	1000
11279CK	1	3", 26 AWG, 6 prong battery snap	1.0	.50	—	\$.25	\$.22	\$.19	\$.16
105793CK	2	Battery holder clip	.63	.71	1.2	.28	.23	.16	.14
109153CK	3	6", 26 AWG, 6 prong battery snap	1.0	.50	—	*	.17	.15	.135
101469CK	3	10", 26 AWG, 6 prong battery snap	1.0	.50	—	.28	.257	.238	.124
216451CK	4	6", 26 AWG, 6 prong battery snap	1.0	.50	—	.34	.30	.20	.18

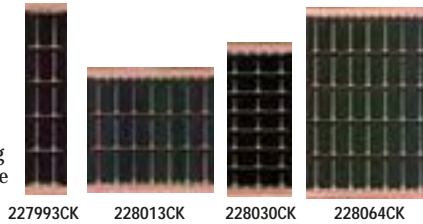
* 10 piece minimum

See our extensive kit selection. Now with complete details for each item, on pages 302-308.

PowerFilm. Flexible Thin Film Solar Modules


Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin, and durable. With their ultra-film profile, they are easily integrated with devices for solar recharging or direct powering. Specifically developed to recharge AA, AAA, plus 6 and 12 volt batteries.




Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	10	100
227985CK	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.89	\$3.49	\$3.19
227993CK	TX 3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061CK	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.99
228013CK	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228030CK	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.89	5.29	4.79
228048CK	MPT4.8-75	4.8	50	3.7 x 3.0 x .01	97 x 75 x 0.2	11.89	10.69	9.59
228056CK	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	22.89	20.59	18.49
228064CK	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	13.89	12.49	11.29
228072CK	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	27.89	23.75	19.12
228099CK	MP7.2-150	7.2	200	10.0 x 5.9 x .02	253 x 150 x 0.6	39.89	37.99	34.99
228101CK	MPT15-75	15.4	50	10.0 x 3.0 x .02	253 x 75 x 0.6	26.89	24.85	19.99
228110CK	MPT15-150	15.4	100	10.0 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

Remote Control Aircraft Series

Designed to be easily integrated with remote control aircraft or anywhere weight is critical. These modules are very lightweight. Solder can be applied from the back of the module via the extended copper tape, and the modules have an extra edge seal for protection. We offer versions with and without a strong pressure-sensitive adhesive for simple bonding.  Blue Part No. = Limited Quantity Available

SALE

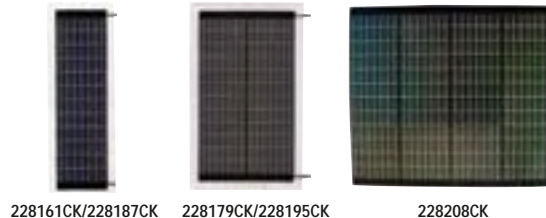


Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	10	100
228144CK	RC7.2-75 	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	\$24.95	\$22.49	\$20.25
228152CK	RC7.2-75PSA *	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	29.95	26.99	24.29

* PSA = Pressure Sensitive Adhesive

WeatherPro Series


The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	10	100
228161CK	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$39.89	\$36.99	\$33.99
228179CK	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	54.99	49.99
228187CK	PT15-75	15.4	50	10.3 x 3.9 x .04	270 x 100 x 1.1	39.89	36.99	33.99
228195CK	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	56.99	52.99
228208CK	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.89	94.99	89.99


Mini-Panel Solar Cells

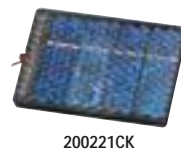
Ready to Use! No Soldering

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red/black lead wires attached. Modules may be connected to create different outputs.  Blue Part No. = Limited Quantity Available

• Size: 3.8"L x 2.5"W

• Connection: lead

Part No.	Cross Ref. No.	VDC @ mA	Size (L x W)	1	10
200205CK	SOL2 	0.5 @ 800	2.6" x 3.7"	\$7.95	\$7.15
200221CK	SOL4	2.0 @ 200	3.0" x 3.7"	8.99	7.99
215319CK	4-3.0-100	3.0 @ 100	3.8" x 2.5"	14.29	12.89
215327CK	4-6.0-50	6.0 @ 50	3.8" x 2.5"	15.79	14.39







Panel Meters

0.6" High 3 1/2- & 4 1/2-Digit LCD Digital Panel Meters



- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5%
- Size: 2.7"W x 1.7"H
- Automatic polarity indication
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095CK, pg 228)

146835CK: Backlit display		Includes: Bezel			
Part No.	Cross Ref. No.	Digits	1	10	25
108388CK	PM-428 	3½ ..	\$12.95	\$11.95	\$10.95
175951CK	PM-128 	3½	12.95	11.95	10.95
146835CK	PM-188BL 	3½	19.95	17.99	16.19
123140CK	PM-328 	4½	27.95	24.95	22.49















velleman Analog Panel Meters

- Includes mounting hardware
- Size: A: 2.4"W x 1.8"H x 1.3"D
B: 2.8"W x 2.4"H x 1.4"D

Panel-Mount Oscilloscope on Page 269

316507CK: includes current shunt



316603CK		316523CK			
Part No.	Product No.	Range	Size	1	4
316603CK	AVM6015 	0 - 15VDC	A	\$9.29	\$7.85
316671CK	AVM7015 	0 - 15VDC	B	8.79	7.49
316638CK	AVM6030 	0 - 30VDC	A	8.79	7.49
316654CK	AVM7030 	0 - 30VDC	B	8.79	7.49
316718CK	AVM60150 	0 - 150VAC	A	8.79	7.49
316785CK	AVM60300 	0 - 300VAC	A	8.79	7.49
315301CK	AIM60005 	0 - 50μA	A	9.29	7.85
316523CK	AIM6050 	0 - 50mA	A	8.79	7.49
316486CK	AIM60100 	0 - 100mA	A	8.99	7.65
316558CK	AIM60500 	0 - 500mA	A	8.99	7.65
316566CK	AIM60500 	0 - 5A	A	8.79	7.49
316582CK	AIM705000 	0 - 5A	B	8.79	7.49
316494CK	AIM6010A 	0 - 10A	A	8.79	7.49
316507CK	AIM6030A 	0 - 30A	A	8.79	7.49

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Serial LCD Displays

• For detailed specification sheets, please visit www.Jameco.com. • One year warranty

Scott Edwards Electronics, Inc.

Scott Edwards ILM-216L

• 16 x 2 characters • 2.8" x 1.0" display



150990CK

Matrix Orbital LK162-12

• 16 x 2 characters • 2.5" x 0.7" display



174166CK

Scott Edwards BPI-216N

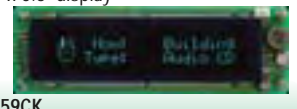
• 16 x 2 characters • 2.8" x 1.0" display



133129CK

Matrix Orbital VK202-25

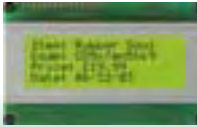
• 20 x 2 characters w/ keypad interface
• 2.8" x 0.5" display



281359CK

Matrix Orbital LCD2041

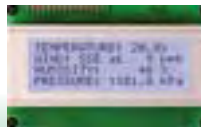
• 20 x 4 characters • 3.0" x 1.0" display



150957CK

Matrix Orbital LK204-25

• 20 x 4 characters w/ keypad interface
• 3.0" x 1.0" display



157323CK

Matrix Orbital GLK12232-25-SM

• 20 x 4 characters with graphics
• 2.4" x 0.7" display



281391CK

Matrix Orbital GLK12232-25-WBL

• 20 x 4 characters with graphics
• 3.3" x 1.4" display



281404CK

Matrix Orbital VFD2041

• 20 x 4 characters • 3.0" x 1.0" display



303554CK

Scott Edwards SGX-120L

• 20 x 4 characters with graphics
• 2.6" x 1.1" display



158166CK

Matrix Orbital VK204-25

• 20 x 4 characters • 2.8" x 0.8" display



281375CK

Scott Edwards BPP-440L

• 40 x 4 characters • 6.7" x 1.7" display



136485CK

Matrix Orbital GLC24064

• 40 x 8 characters with graphics
• 5.2" x 1.5" display



174182CK

Matrix Orbital GLK24064-25

• 40 x 8 characters with graphics
• 5.0" x 1.3" display



281412CK

Recommended Power Supply
(P/N 164101CK)
for these LCD Displays.
See page 218.



Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
150990CK	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2x2.0x0.5	2.8 x 1.0	\$48.95	\$44.09	\$39.99
174166CK	Matrix Orbital	LK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2x1.5x0.8	2.5 x 0.7	51.99	49.99	47.99
133129CK	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V - 5.5V @ 3mA	N	1,2,11	3.1x1.4x0.7	2.8 x 1.0	59.95	53.99	48.99
281359CK	Matrix Orbital	VK202-25	20 x 2 w/ keypad interface	1200 - 19,200	5.0V @ 130mA	Y	1,7,10	4.6x1.5x0.9	2.8 x 0.5	88.99	87.97	84.47
150957CK	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9x2.4x0.7	3.0 x 1.0	57.99	55.99	55.50
157323CK	Matrix Orbital	LK204-25	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7x2.4x1.1	3.0 x 1.0	77.99	75.99	73.99
281391CK	Matrix Orbital	GLK12232-25-SM	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4x1.4x0.5	2.4 x 0.7	68.99	67.99	65.49
281404CK	Matrix Orbital	GLK12232-25-WBL	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9x2.4x0.4	3.3 x 1.4	74.99	73.99	71.19
303554CK	Matrix Orbital	VFD2041	20 x 4	1200 - 19,200	5.0V @ 20mA	Y	1,4,10	3.9x2.4x1.1	3.0 x 1.0	105.99	102.99	99.99
158166CK	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	9V bat. or 5.0V@45mA	Y	1,2,5	3.1x1.9x0.8	2.6 x 1.1	119.95	107.99	103.00
281375CK	Matrix Orbital	VK204-25	20 x 4	1200 - 19,200	5.0V @ 220mA	Y	1,4,10	3.8x2.4x1.0	2.8 x 0.8	103.05	102.15	98.88
136485CK	Scott Edwards	BPP-440L	40 x 4	1200 - 9600	5.0V @ 10mA	Y	1,2,11	7.5x2.2x0.9	6.7 x 1.7	149.95	142.45	136.49
174182CK	Matrix Orbital	GLC24064	40 x 8 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1x2.6x0.7	5.2 x 1.5	165.99	161.69	157.49
281412CK	Matrix Orbital	GLK24064-25	40 x 8 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,9	7.1x2.6x1.1	5.0 x 1.3	192.99	192.00	183.30

*1. For a power supply, Jameco recommends P/N 164101CK, pg 218.

2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included.)

3. Manual and software included

4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature.

7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

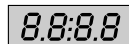
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs

11. LCD Serial Backpack* accepts RS232, CMOS or TTL signal.

VL 0.5" High 4-Digit Field Effect LCD Display

- Compatible with socket P/N 78641CK (2), pg 213
- Pin spacing: 0.1" centers
- 40-pin package (no connector required)
- Digital multimeters, thermometers, pressure gauges, timers, frequency counters, and clocks (12 or 24 hour format)



Part No.	Product No.	Size (W x H x D)	1	10	25
17110CK	402-DP-RC-S	2.0" x 1.2" x 0.1"	\$14.95	\$13.49	\$12.15

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Committed to You

We're committed to providing you with the best service in the industry.



Parallel LCD Displays

- For detailed specification sheets, please visit www.Jameco.com.
- 90-day Jameco warranty

NEW

Quantity SAVE



EPSON EA-D16015AR

- 16 x 1 characters
- 2.5 x 0.5" display



644025CK

Ampire AC-162A

- 16 x 2 characters • 2.5" x 0.7" display



171715CK

PicVue PVC160204A

- 16 x 2 characters • 2.6" x 0.7" display



277384CK

Hantronix HDM716216L-7-8C0

- 16 x 2 characters • 3.9" x 0.9" display



658988CK

PicVue PVC160206QYL04

- 16 x 2 characters • 2.4" x 0.6" display



365982CK

Optrex DCM16204N-LR-B

- 16 x 2 characters • 3.9" x 0.9" display



320098CK

Optrex DM16433

- 16 x 4 characters
- 2.4" x 1.0" display



210761CK

Samsung 9936

- 20 x 1 characters • 6.5" x 1.3" display



206615CK

Ampire AC-202A

- 20 x 2 characters • 3.3" x 0.7" display



171723CK

Optrex DM2026IANB-2Y-20

- 20 x 2 characters • 3.3" x 0.7" display



320071CK

Solomon LM1200SGR

- 24 x 2 characters • 3.7" x 0.7" display



320101CK

Solomon LM1030SGR

- 40 x 2 characters • 6.0" x 0.6" display



320039CK

Ocular OM4021-WGS-01

- 40 x 2 characters • 6.0" x 0.6" display



277325CK

Optrex 20-20191-2

- 40 x 2 characters • 5.8" x 0.5" display



215159CK

Seiko Instrumen DMC4024

- 40 x 4 characters • 5.5" x 0.9" display



652332CK

PicVue PVG240602A

- 240 x 64 pixels • 5.2" x 1.5" display



277350CK

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
											1	10	25
644025CK	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	\$9.95	\$8.49	\$7.95
171715CK	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	3, 5	3.4 x 1.2 x 0.5	2.5 x 0.7	13.99	13.35	12.65
277384CK	PicVue	PVC160204A	16 x 2	5 x 7	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.4 x 0.5	2.6 x 0.7	13.99	11.99	9.99
658881CK	Hantronix	HDM716216H-4-HOAF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.8 x 1.7 x 0.4	3.9 x 0.9	13.95	12.49	10.49
658890CK	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.3 x 1.7 x 0.4	2.4 x 0.6	11.95	10.49	8.95
618003CK	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	11.39	9.25	8.33
658988CK	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Y	5	4.8 x 1.7 x 0.6	3.9 x 0.9	16.95	14.95	11.95
365982CK	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	12.69	10.79	9.45
320098CK	Optrex	DCM16204N-LR-B	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	3.2 x 1.6 x 0.6	2.4 x 0.6	14.55	13.00	11.30
210761CK	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 5	3.4 x 2.4 x 0.3	2.4 x 1.0	22.95	19.95	18.69
206615CK	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	2	7.2 x 1.6 x 0.4	6.5 x 1.3	17.99	15.29	11.45
658902CK	Hantronix	HDM20216H-3-001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.6 x 1.5 x 0.4	3.3 x 0.7	18.95	15.95	14.49
658970CK	Hantronix	HDM20216L-1-G30F	20 x 2	5 x 7	8-bit	5.0V @ 2.4mA	Y	5	4.6 x 1.5 x 0.6	3.4 x 0.7	18.95	16.95	14.49
171723CK	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	3, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
320071CK	Optrex	DM2026IANB-2Y-20	20 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	4.6 x 1.5 x 0.6	3.3 x 0.7	19.89	17.89	15.59
658873CK	Hantronix	HDM20416H-300	20 x 4	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.9 x 2.7 x 0.4	3.7 x 0.6	24.95	22.49	18.95
658911CK	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Y	5	4.6 x 1.4 x 0.6	2.4 x 0.6	19.95	17.95	15.49
320101CK	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	4.6 x 1.4 x 0.4	3.7 x 0.7	15.59	13.35	11.99
320039CK	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	7.2 x 1.2 x 0.3	6.0 x 0.6	22.15	18.83	14.12
277325CK	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	5	7.2 x 1.3 x 0.6	6.0 x 0.6	22.45	19.13	14.34
215159CK	Optrex	20-20191-2	40 x 2	5 x 8	8-bit	5.5V @ 5mA	Y	4	7.2 x 1.4 x 0.4	5.8 x 0.5	29.99	26.90	24.20
658831CK	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658929CK	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658937CK	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Y	5	7.2 x 1.3 x 0.6	6.1 x 0.6	32.95	29.49	24.95
652332CK	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	—	7.5 x 2.1 x 0.4	5.5 x 0.9	39.95	34.95	28.95
658953CK	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Y	6	3.0 x 2.1 x 0.4	2.4 x 1.3	27.95	24.95	21.49
658785CK	Hantronix	HDM128GS12L-1-T30F	128 x 128	128 x 128	8-bit	5.0V @ 4.0mA	Y	6	2.9 x 2.8 x 0.5	1.9 x 1.9	45.95	41.95	36.95
277350CK	PicVue	PVG240602A	240 x 64 pixels	240 x 64	8-bit	5.0V @ 6.0mA	N	6	7.1 x 2.6 x 0.4	5.2 x 1.5	55.75	51.09	38.32

- *1. Control LSI HD44780 or equivalent and column driver MSM5259 or equivalent;
 2. Built-in controller HD44780; 3. Controller KS0066U or equivalent; 4. Column driver: KS0063B;
 5. For a power supply Jameco recommends P/N 164101CK, pg 218); 6. Dot Graphic LCD display



345130CK			426757CK			426811CK			427047CK			426829CK			285114CK		
Jameco Part No.	Mfr.	Product No.	Board Style	Processor Support	FSB (MHz)	Chipset	On-Board Graphics	Memory Type	On-Board Audio	USB	HDD Support	On-Board LAN	Wt. (lbs.)	Warranty (Yrs.)	Pricing		
															1	10	
426976CK	Intel	SE7210TP1♣	ATX	P4	800	iE7210	Yes	DDR400/333	No	2.0	SATA	1000Mb	3.0	3	\$315.25	\$294.25	
345560CK	Intel	BOXD915GAVL♣	ATX	P4	800/533	i915G	Yes	DDR400/333	Yes	2.0	SATA	100Mb	2.9	3	149.45	141.99	
345130CK	Giga-Byte	GA-8IPE1000-G♣	ATX	P4	800/533/400	i865PE	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.3	3	131.55	106.75	
345050CK	Giga-Byte	GA-8S648FXP-RZ♣	ATX	P4	800/533/400	648FX/964L	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	2.6	3	76.55	72.85	
426757CK	Asus	P4C800-E DX♣	ATX	P4/Cel	800	i875P	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.0	3	263.99	246.40	
426781CK	Asus	P4P800SE♣	ATX	P4/Cel	800	i865PE, iCH5R	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.0	3	138.29	129.06	
426811CK	Asus	P5GD1♣	ATX	P4/Cel	800/533	i915P, iCH6R	No	DDR400/333	Yes	2.0	SATA	1000Mb	3.0	3	156.85	146.40	
427055CK	SuperMicro	P8SAA-0♣	ATX	P4/Cel	800/533	i925x	No	DDR2 533/400	Yes	2.0	SATA/EIDE	1000Mb	3.0	3	\$287.35 253.19	236.28	
427215CK	Tyan	S5112G2NR♣	ATX	P4/Cel	800/533	iE7210	Yes	DDR400/333	No	2.0	SATA	1000Mb	3.0	3	333.95	311.66	
426837CK	Asus	PC-DL♣	ATX	Dual Xeon	533	i875P	No	DDR333	Yes	2.0	SATA	1000Mb	3.0	3	287.35	268.18	
427127CK	Tyan	S2721GN-533♣	ATX	Dual Xeon	533	iE7501	Yes	DDR266/200	No	2.0	ATA	1000Mb	3.0	3	588.65	549.39	
427047CK	Intel	SE7520JR2SCSID1♣	ATX	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2.0	SATA	1000Mb	3.0	3	\$944.25 869.65	811.67	
427080CK	SuperMicro	X6DAE-G2-0♣	ATX	Dual Xeon	800	iE7525	No	DDR2 400	Yes	2.0	SATA/EIDE	1000Mb	3.0	3	628.95	587.05	
345551CK	Intel	BOXD915GAGL♣	µATX	P4	800/533	i915G	Yes	DDR400/333	Yes	2.0	SATA	100Mb	2.7	3	141.85	136.59	
426829CK	Asus	P5S800-VM♣	µATX	P4	800/533	SIS 661FX, 964	No	DDR400/333/266	Yes	2.0	SATA	100Mb	2.7	3	89.35	83.36	
345172CK	Giga-Byte	GA-8I915G-MF♣	µATX	P4	800/533/400	i915G/iCH6	Yes	DDR400/333	Yes	2.0	SATA	1000Mb	3.8	3	127.65	124.99	
285114CK	Intel	BOXD845GVSRL♣	µATX	P4/CEL	533/400	i845GV	Yes	DDR333/266	Yes	2.0	ATA	100Mb	2.1	3	79.95	74.95	
427039CK	Intel	SE7520BD2V♣	SSI	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2.0	SATA	1000Mb	—	3	672.45	627.62	

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† For complete specs see www.Jameco.com

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Motherboards

CPU Heat Sinks and Fans*

SALE

Part No.	Description	Size (H" x W" x D")	Approvals	1	10
206244CK	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	CE	\$12.95	\$11.65
319951CK	Heat sink w/ fan for PIII slot 1	2.0 x 4.9 x 8.5	—	9.85	8.85
181278CK	Heat sink w/ fan for socket 7 (ATX) Ⓢ	2.12 x 2.05 x 1.67	UL/CE/CSA	8.49	7.65
661087CK	Heat sink w/ fan for socket 370	1.55 x 2.36 x 2.44	UL/CSA/TUV/CE	13.55	12.19
190545CK	Heat sink w/ fan for socket 370 Ⓢ	2.45 x 2.42 x 2.10	—	13.55	12.19
645482CK	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	UL/CE	10.95	9.49
319185CK	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	—	7.65	7.25
129226CK	Heat sink for 486 CPU – adhesive back Ⓢ	1.70 x 1.63 x 0.36	—	2.95	2.65
174115CK	Heat sink w/ fan for 486 CPU w/ snap†	1.93 x 1.96 x 0.93	UL/CU	3.95	2.96
309340CK	Heat sink w/ fan for socket 7 (AT/ATX)	1.57 x 2.03 x 2.07	—	8.99	8.59
308742CK	Heat sink w/ fan for 586 CPU w/ snap†	0.73 x 2.05 x 1.94	—	\$11.39 10.25	9.25

† 14" lead wires * See website for photos

Mounting Kits

Lower \$\$\$

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
180857CK	HDB35 Ⓢ	3.5" hard drive mount kit (short)	0.2	\$3.89 \$3.35	\$2.95	\$2.65
117217CK	HDMK Ⓢ	3.5" kit (w/ black & gray faceplates)	0.6	\$5.75 4.65	4.18	3.75
32088CK	SMK	3.5" to 5.25" mounting kit (beige faceplate)	0.5	5.89	5.29	4.79

Thermoelectric Cooler Chips

- Cools down to -30°C (dependent on external temp.)
- Heat or cool by changing direction of current
- 20 AWG wire leads, 4" long • Temperature = 60°C max.

Part No.	Cross Ref. No.	Volts	Watts	Current	Couples*	Size (LxWxT)	1	10
172030CK	TEC30 Ⓢ	8.4VDC max.	19.7	4A max.	71	1.2" x 1.2" x 0.2"	\$19.95	\$17.95
172048CK	TEC40 Ⓢ	15.4VDC max.	35.6	4A max.	127	1.6" x 1.6" x 0.2"	25.95	22.95
172056CK	TEC50 Ⓢ	15.4VDC max.	79.1	8A max.	127	2.0" x 2.0" x 0.2"	33.75	29.35

*Couples: # of P&N type semiconductor pairs connected electrically in series

RoHS compliant product

Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

1.44MB 3.5" Internal Floppy Disk Drives

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H
- Weight: 1.4 lbs.

♣ Pull = Extra Savings

Part No.	Product No.	Mfr.	Color	1	10
115490CK	FD235	TEAC	Beige	\$19.95	\$17.95
189165CK	— ♣	Varies	Beige	\$10.95 9.35	8.40
249367CK	MPF920-Z	Sony	Beige	16.95	15.99
453667CK	MPF920-2 ♣	Sony	Beige	8.45	8.00
453683CK	MFB820 ♣	Sony	Black	28.35	26.81
453704CK	FD235HF ♣	TEAC	Beige	58.95	55.81
661108CK	D359M3D	Mitsumi	Black	20.95	18.95

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Floppy Drives

- 3.5" • 1.44MB
- Beige and black available
- Mitsumi, Teac and Sony Drives are available
- Also available: Floppy drive mounting kits

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See Our Complete Floppy Drive Offering at
www.Jameco.com/Prod/FloppyDrives

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

intel Lower \$\$\$ Boxed Processors



Desktop Processors

Part No.	Product Name	Product No.	Speed (GHz)	FSB (MHz)	Cache	Package	1	10
427493CK	Celeron	BX80546RE2267C	2.66	533	256kB	mPGA-478	\$116.55	\$108.74
427514CK	Celeron	BX80546RE2533C	2.53	533	256kB	mPGA-478	\$118.09	\$110.29
427522CK	Celeron	BX80547RE2933C	2.93	533	256kB	LGA775	\$106.25	\$141.35
427549CK	Celeron	BX80547RE3066CN	3.06	533	256kB	LGA775	\$104.15	\$148.25
427581CK	Pentium® 4	BX80547PE2667EN	2.66	533	1MB	LGA775	\$195.75	\$180.25
427590CK	Pentium® 4	BX80547PG3000F	3.0	800	2MB	LGA775	\$312.15	\$291.25
283274CK	Pentium® 4†	BX80546PG3200E	3.2	800	1MB	mPGA-478	305.05	301.65
427602CK	Pentium® 4	BX80547PG3200F	3.2	800	2MB	LGA775	343.19	320.33
427629CK	Pentium® 4	BX80547PG3400F	3.4	800	2MB	LGA775	434.85	405.84
427645CK	Pentium® 4	BX80547PG3800F	3.8	800	2MB	LGA775	965.25	869.25
427661CK	Pentium® M	BXM80536GC1600F	1.6	400	2MB	uFCPGA478	293.59	274.00
427688CK	Pentium® M	BXM80536GC1800F	1.8	400	2MB	uFCPGA478	451.89	421.79
427741CK	Xeon®	BX80546KG2800EP	2.8	800	1MB	PPGA604	337.05	314.57
427750CK	Xeon®	BX80546KG3000EU	3.0	800	1MB	PPGA604	422.45	394.25
427872CK	Xeon®	BX80546KG3200EA	3.2	800	1MB	PPGA604	503.19	469.64
427881CK	Xeon®	BX80546KG3400EA	3.4	800	1MB	PPGA604	703.49	656.61
427805CK	Xeon®	BX80546KG3400EP	3.4	800	1MB	PPGA604	703.49	656.61
427830CK	Xeon®	BX80546KG3600EP	3.6	800	1MB	PPGA604	1,052.95	982.76

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Embedded Processors

Part No.	Product Name	Product No.	Speed (MHz)	FSB (MHz)	Cache	Package	1	10
344241CK	Pentium	A8050266166	166	66	—	SPGA	\$79.45	\$62.69
344276CK	Pentium MMX	FV80503CSM66166	166	66	—	PPGA-296	77.99	61.55
344268CK	Pentium MMX	FV80503CSM66266	266	66	—	PPGA-296	80.89	72.75
344313CK	Pentium II	KC80524KX266256	266	66	256kB	BGA1	103.45	90.89
344284CK	Pentium II	KC80524KX333256	333	66	256kB	BGA1	103.45	90.89
344452CK	Pentium III	KC80526LY400256	400	100	256kB	BGA2	117.55	103.29
344444CK	Pentium III	KC80526LY500256	500	100	256kB	BGA2	133.25	117.09
344401CK	Pentium III	RB80526PY600256	600	100	256kB	FC-PGA	133.25	117.55
344436CK	Pentium III	KC80526GY850256	850	100	256kB	BGA2	107.39	100.95
344428CK	Pentium III	RB80526PY700256	700	100	256kB	FC-PGA	117.55	103.29
344410CK	Pentium III	RB80526PY001256	1000	133	256kB	FC-PGA	125.45	110.20
344575CK	Pentium III	RK80530KZ012512	1250	133	512kB	FC-PGA2	230.19	218.69
344516CK	Pentium 4	RK80532PC041512	2000	400	512kB	mPGA-478	238.79	224.45
344559CK	Pentium 4	RK80532PE056512	2400	533	512kB	mPGA-478	183.99	181.55
344305CK	Celeron	FV80524RX300128	300	66	128kB	PGA-370	84.49	66.69
344348CK	Celeron	KC80526LY400128	400	100	128kB	BGA2	81.25	64.15
344330CK	Celeron	FV80524RX433128	433	66	128kB	PPGA	73.35	64.45
344399CK	Celeron	RB80526RX733128	733	66	256kB	FC-PGA	72.19	56.99
344381CK	Celeron	RB80526RY850128	850	100	128kB	FC-PGA	72.19	56.99
344356CK	Celeron	RK80530RY009256	1200	100	256kB	FC-PGA2	78.39	68.89
344461CK	Celeron	RK80532RC041128	2000	400	128kB	mPGA-478	94.05	91.79
344479CK	Celeron	RK80532RC060128	2500	400	128kB	mPGA-478	117.55	103.29

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

AMD Processors & Coolers

AMD CPUs

- Available in the Athlon, Sempron, Opteron
- Speed ranges from 650MHz to 2.6GHz

Foxconn CPU Coolers

- For AMD Athlon and Opteron CPUs



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See Our Complete CPU & Cooler Offering at www.Jameco.com/Prod/AMDCPUs

WD Western Digital

Hard Disk Drives

Lower \$\$\$



3.5" LP UATA/100 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
453798CK	WD3200JB	320GB	UATA/150	7200	8.9	8	3 yrs.	\$271.65	\$206.85
453819CK	WD3000JB	300GB	UATA/100	7200	8.9	8	3 yrs.	\$265.67	\$205.75
319441CK	WD2500JB	250GB	UATA/100	7200	8.9	8	3 yrs.	228.55	217.15
319450CK	WD2000JB	200GB	UATA/100	7200	8.9	8	3 yrs.	151.69	144.35
319468CK	WD1600JB	160GB	UATA/100	7200	8.9	8	3 yrs.	129.99	123.59
319521CK	WD1600BB	160GB	UATA/100	7200	8.9	2	1 yr.	117.85	111.95
319476CK	WD1200JB	120GB	UATA/100	7200	8.9	8	3 yrs.	115.15	109.35
319530CK	WD1200BB	120GB	UATA/100	7200	8.9	2	1 yr.	106.99	101.65
319484CK	WD800JB	80GB	UATA/100	7200	8.9	8	3 yrs.	\$89.39	\$83.45
319556CK	WD400BB	40GB	UATA/100	7200	8.9	2	1 yr.	67.65	60.85

3.5" SATA/150 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
453801CK	WD3200SD	320GB	SATA/150	7200	8.9	8	3 yrs.	\$301.85	\$229.45
319337CK	WD2500SD	250GB	SATA/150	7200	8.9	8	3 yrs.	253.15	240.55
319396CK	WD2500JD	250GB	SATA/150	7200	8.9	8	3 yrs.	239.69	227.75
319409CK	WD2000JD	200GB	SATA/150	7200	8.9	8	3 yrs.	166.59	158.65
319417CK	WD1600JD	160GB	SATA/150	7200	8.9	8	3 yrs.	135.49	128.99
319353CK	WE1200SD	120GB	SATA/150	7200	8.9	8	3 yrs.	132.75	126.19
319433CK	WD800JD	80GB	SATA/150	7200	8.9	8	3 yrs.	\$93.45	\$82.95
319311CK	WD740GD	74GB	SATA/150	10,000	4.5	8	5 yrs.	260.19	247.19

2.5" LP EIDE/100 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319716CK	WD800UE	80GB	EIDE/100	5400	12	2	1 yr.	\$190.25	\$180.75

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To Find Additional Hard Drives, Visit www.Jameco.com/Prod/WesternDigital

Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
151044CK	4.3GB♣	EIDE/Ultra DMA33	1 year	\$49.95	\$45.95
146333CK	2.5GB♣	EIDE/FAST ATA-2	1 year	33.29	29.95
124978CK	1.27GB♣	IDE	1 year	29.95	26.95
118949CK	850MB♣	IDE	1 year	49.95	47.45
115764CK	425MB♣	IDE	3 mos.	45.95	43.65

* Manufacturers may vary & capacity may exceed specification ♣ Pull = Extra Savings

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
311204CK	Intel Celeron® processor	800	FCPGA-370	\$99.95	\$84.95
311212CK	Intel Celeron® processor	566	FCPGA-370	47.79	45.39
183118CK	Intel Pentium® III processor	600	Slot 1	99.95	96.43
183100CK	Intel Pentium® II processor	400	Slot 1	95.99	71.99
151651CK	Intel Pentium® II processor	300	Slot 1	89.95	85.45
190060CK	Intel Pentium® II w/ heat sink	233	Slot 1	89.95	79.95
150501CK	Intel Pentium MMX® processor	233	376/PGA	69.95	62.95
140054CK	Intel Pentium MMX® processor	200	376/PGA	49.95	37.45
130841CK	Intel Pentium® processor	166	296/PGA	55.95	41.96
130833CK	Intel Pentium® processor	133	296/PGA	39.95	35.95
118421CK	Intel 486DX2 processor	66	168/PGA	19.95	16.96

♣ Pull = Extra Savings

Pocket PC Reference Book

Sequoia Publishing Pocket PCRef 13th edition includes troubleshooting tools, wiring diagrams, connectors and pin outs, commands for WinXP and UNIX, CDROM drive configuration data, hard drive specifications, PC hardware, ASCII numbers, CPU processor specifications and more. (1088 pages, 2004)



Part No.	Description	Size	Price
355231CK	Pocket PCRef	4" x 6"	\$15.15



ZIP Drives

- iomega 250MB and 750MB internal drives available
- White and black available
- 250MB disks



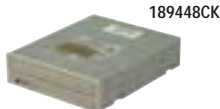
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www.Jameco.com/Prod/ZIPDrives

Internal Optical Drives

- 5.25" half-height design
- One-year warranty
- Manufacturer varies

Includes: Audio cable



Part No.	Speed	Buffer	kB/sec.	1	10
345009CK	52x	128kB	7800	\$25.35	\$24.09
189448CK	56x	128kB	8400	29.95	28.45

CD-RW/DVD

- 52x read/write; 32x rewrite; 16x DVD

Part No.	Speed	Buffer	Access Time	1	10
487277CK	52x	2MB	120ms	\$24.19	\$23.92

DVD+-RW

- 48x CD read; 16x DVD write; 8x and 16x DVD rewrite

Part No.	Write Speed	Buffer	Access Time	1	10
487509CK	48x	2MB	160ms	\$59.39	\$58.77

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Internal Optical Drives

QSI, Sony, BenQ, LiteOn, Teac, AOpen, LG, NuTech and Pioneer

CD-R

- Speeds up to 52x

CD-RW

- Speeds up to 52x32x52

CD-RW +DVD

- Speeds up to 52x32x52 +16

DVD-ROM

- Speeds up to 16x

DVD-RW

- Speeds up to 24x



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See Our Complete Internal Optical Drives Offering at
www.Jameco.com/Prod/OpticalDrives

CD-ROM Audio Cables



Part No.	Connection from Sound Blaster to	Length	1	10	50
127546CK	Sony/MPC2	18"	\$2.95	\$2.65	\$2.29
168612CK	Universal	18"	4.95	4.46	3.35

Removable IDE HDD Enclosures For 3.5" Drive Bay

- For quick drive swapping
- Power LEDs
- Keylock for security

196040CK:

- Size: 5.8"W x 8.5"D x 1.5"H
- Weight: 1.2 lbs.

196031CK:

- Size: 4.1"W x 7.5"D x 1.6"H
- Weight: 0.8 lbs.

319775CK:

- Size: 5.8"W x 8.9"D x 1.6"H
- Weight: 1.32 lbs.

Includes: Inner cable with IDE connector

Part No.	Description	1	10	25
196040CK	IDE encl. w/ insert	\$25.15	\$18.85	\$14.65
319775CK	IDE encl. w/ insert	15.55	14.79	14.05
196031CK	Insert for 196040CK	19.95	16.96	12.72



196040CK

SALE

Hard Drive Enclosures

- USB 2.0 & 1.1 compatible
- Plug & play
- Hard drive and CD-ROM

Bytrec 2.5" and 3.5"

Coolmax 2.5", 3.5" & 5.25"

Zynet 3.5" and 5.25"

Vantec 2.5" and 3.5"

Kingbyte 2.5"

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Hard Drive Enclosure Offering at
www.Jameco.com/Prod/HDCases



We're Listening to Your Requests

Email us 24/7 at
NewProducts@Jameco.com
with suggestions for products you'd like to see in future catalogs.

CD Accessories



249447CK



172179CK



208514CK

Part No.	Description	1	5	10
249447CK	48x/700MB/80 min./100 pk.	\$31.95	\$30.50	\$28.95
172179CK	Single jewel case	.49	.41	.31
208514CK	Paper envelope 25 pk.	2.49	2.25	1.99

Removable IDE HDD Enclosure For 5.25" Drive Bay

- Supports DMA 66 hard drive
- Retaining lock mechanism
- 12VDC @ 50mA fan
- CFM rating: 5.6
- Size: 5.9"W x 8.7"D x 1.6"H
- Weight: 1.3 lbs.

Includes: Mounting hardware

Part No.	Description	1	10	25
170608CK	Enclosure kit (IDE)	\$25.45	\$22.89	\$19.95



External IDE HDD Enclosure with Parallel Interface

An external HDD enclosure for IDE hard drives with a parallel port interface to be connected to a PC or laptop. No drivers needed. Windows® 98 and above will automatically detect hard disk drive.

- Parallel port interface
- Built-in fan and 110V power supply

Includes: Parallel cable and power cord

Part No.	Description	1	5
249316CK	HDD external enclosure	\$17.95	\$16.16



5.25" Screwless HDD/CD-ROM Enclosure

- Screwless design
- Ultra-light plastic body
- Audio jack for CD-ROM analog audio output
- Power-on and read/write LED indicators
- IDE interface supports ATA, PIO, ATAPI, DMA, and UDMA devices
- Supports Windows® 98/98SE/ME/2000/XP
- Size: 9.8"L x 6.5"W x 2.3"H

Includes: USB 2.0 cable, base, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344751CK	SD-U2DEL-525	\$44.89	\$42.65



5.25" Stackable CD/DVD/Hard Drive Enclosure

This 5.25" enclosure is designed to provide a solution in connecting existing storage devices such as 3.5" IDE hard drives, MO drives, CDROM drives, and DVD drives to a USB 2.0 bus. An ideal interconnect for multimedia applications.

- Supports plug-n-play, hot-swap, and wake-up
- Peak data transfer rate of up to 480Mbps
- Accommodates all existing storage devices such as 3.5" IDE hard drives, MO drives, CD and DVD drives
- Compliant w/ USB specification Rev. 2.0
- ATA/ATAPI-6, LBA48, PIO Mode, DMA mode, and UDMA mode supported
- Light-weight plastic body
- Size: 10.1"L x 6.5"W x 2.5"H
- Weight: 2.4 lbs.

Includes: USB-A to USB-B cable, 12VDC @ 2.0A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344743CK	SY-UEN-5MYS-S	\$44.89	\$42.65



NEW

Lower \$\$\$

Memory Modules



SDRAM and DDR Memory Modules

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
435881CK	32464468	128MB	SDR133	16M x 64	168	\$23.19	\$21.59
435899CK	32474468	256MB	SDR133	32M x 64	168	40.75	37.98
435910CK	32484588	512MB	SDR133	64M x 64	168	95.15	88.64
354677CK	35132588-P	256MB	DDR PC2100	32M x 64	184	47.95	45.95
354685CK	35142588-P	512MB	DDR PC2100	64M x 64	184	87.95	84.95
354714CK	35144588-PB	512MB	DDR PC2700	64M x 64	184	92.95 59.05	52.25
354722CK	35154680	1GB	DDR PC2700	128M x 64	184	222.95	211.95
354749CK	35135588-P	256MB	DDR PC3200	32M x 64	184	49.95 33.85	30.45
436816CK	35145588-P	512MB	DDR PC3200	64M x 64	184	60.79	56.64
354765CK	35155680	1GB	DDR PC3200	128M x 64	184	284.95 239.95	227.95

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Legacy Memory Modules

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148419CK	16MBX64SDRAM	128MB	10ns Syn. DRAM DIMM	16M x 64	168	\$65.95	\$59.95
148401CK	8MBX64SDRAM	64MB	10ns Syn. DRAM DIMM	8M x 64	168	28.95	26.95
148451CK	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	30.95	28.95
148398CK	4MBX64SDRAM	32MB	10ns Syn. DRAM DIMM	4M x 64	168	16.95	16.45
148460CK	8MBX36-60	32MB	60ns SIMM	8M x 36	72	40.95	37.95
148443CK	JEED07232	32MB	60ns SIMM EDO	8M x 32	72	43.95	39.95
75184CK	P364000-XX-6	16MB	60ns SIMM	4M x 36	72	21.95	20.95
130711CK	JEED07216	16MB	60ns SIMM EDO	4M x 32	72	12.95	11.95
75096CK	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	21.95	19.95
130729CK	JEED07208	8MB	60ns SIMM EDO	2M x 32	72	7.95	5.95
285667CK	HB56U232	8MB	70ns SIMM	2M x 36	72	8.95	6.95
75133CK	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	12.95 11.05	10.15
41751CK	421000A9B-70	1MB	70ns SIMM	1M x 9	30	4.95	3.95

Hard Drives

- 2.5" and 3.5" heights available
- Hitachi Travelstar** 20GB to 80GB
- Hitachi Deskstar** 80GB to 400GB
- Seagate Cheetah** 36GB to 146GB
- Seagate Barracuda** 80GB to 400GB
- Maxtor DiamondMax** 80GB to 250GB
- Fujitsu** 20GB to 100GB
- Toshiba** 20GB to 80GB
- Samsung SpinPoint** 40GB to 120GB

Also available Seagate TapeStor and Data Cartridges

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Drive Offering at www.Jameco.com/Prod/HardDrives

Parallel Port Complete

Lakeview Research Hands-on approach to PCs and their connections to parallel ports. This book offers many tips on how to get the most out of your parallel port. Enhanced (EPP) and extended capabilities (ECP) types are covered. (343 pages, 1999)

- Includes: 3.5" diskette
- Windows® 3.1/95
- Selecting cables
- PC to PC links

Part No.	Description	Size	Weight	Price
138261CK	Parallel Port Complete	7.0" x 10"	1.4 lbs.	\$32.89



Serial Port Complete

Lakeview Research Provides you with everything you need to design, program, install and troubleshoot the links you set up. (306 pages, 1998)

Includes: 3.5" diskette

Part No.	Description	Size	Weight	Price
154771CK	Serial Port Complete	7.0" x 10"	1.4 lbs.	\$39.95



Have you found a product at a lower print-advertised price?
We'll beat that price by 10% right down to our cost!



Kingston Memory Modules

Lower \$\$\$

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
639541CK	KVR533D2N4/1G	1GB	DDR2-533	128M x 64	240	\$129.95	\$126.95
639533CK	KVR533D2N4/512	512MB	DDR2-533	64M x 64	240	75.95	68.95
639525CK	KVR533D2N4/256	256MB	DDR2-533	32M x 64	240	42.95	39.95
284998CK	KVR400X64C25/512	512MB	DDR400	64M x 64	184	70.95	67.95
639411CK	KVR400X64C3A/256	256MB	DDR400	32M x 64	184	40.95	36.95
639517CK	KVR333S4R25/1G	1GB	DDR333	128M x 72	184	293.95	289.95
639470CK	KVR333X64SC25/512	512MB	DDR333	64M x 64	200	76.95	74.95
639461CK	KVR333X64C25/512	512MB	DDR333	64M x 64	184	67.95	64.95
639402CK	KVR333X64C25/256	256MB	DDR333	32M x 64	184	35.95	34.95
639437CK	KVR333X64SC25/256	256MB	DDR333	32M x 64	200	39.95	35.95
639509CK	KVR266X72RC25/1024	1GB	DDR266	128M x 72	184	220.95	216.95
639496CK	KVR266X72C25/512	512MB	DDR266	64M x 72	184	78.95 74.95	73.95
639488CK	KVR266X72C25/512	512MB	DDR266	64M x 72	184	113.95	104.95
285026CK	KVR266X64C25/512	512MB	DDR266	64M x 64	184	70.95 65.95	64.95
639445CK	KVR266X72RC25/256	256MB	DDR266	32M x 72	184	73.15	65.95
639453CK	KVR266X72C25/256	256MB	DDR266	32M x 72	184	40.95	39.95
639429CK	KVR266X64SC25/256	256MB	DDR266	32M x 64	200	39.95	35.95
285018CK	KVR266X64C25/256	256MB	DDR266	32M x 64	184	35.95	32.95
639390CK	KVR133X72C3/512	512MB	PC133	64M x 72	168	120.95 113.95	112.95
639381CK	KVR133X72RC3/512	512MB	PC133	64M x 72	168	156.95	153.95
639357CK	KVR133X64C2/512	512MB	PC133	64M x 64	168	131.95	128.95
639365CK	KVR133X64C3/512	512MB	PC133	64M x 64	168	105.95 99.95	97.95
639373CK	KVR133X64SC3/512	512MB	PC133	64M x 64	144	125.95	123.95
639331CK	KVR133X72C3/256	256MB	PC133	32M x 72	168	59.95	57.95
639306CK	KVR133X72RC3/256	256MB	PC133	32M x 72	168	70.95	68.95
285042CK	KVR133X64C3/256	256MB	PC133	32M x 64	168	53.95	51.95
639285CK	KVR133X64SC3/256	256MB	PC133	32M x 64	144	52.95	50.95
639269CK	KVR133X64C2/256	256MB	PC133	32M x 64	168	67.95	66.95
639277CK	KVR133X64C3L/256	256MB	PC133	32M x 64	168	54.95	51.95
285034CK	KVR133X64C3/128	128MB	PC133	16M x 64	168	28.95 26.95	25.95
639226CK	KVR133X72C3/128	128MB	PC133	16M x 72	168	40.95	37.95
639171CK	KVR133X64C2/128	128MB	PC133	16M x 64	168	39.95	35.95
639154CK	KVR133X64C3L/128	128MB	PC133	16M x 64	168	29.95	26.95
639189CK	KVR133X64C3SS/128	128MB	PC133	16M x 64	168	29.95	26.95
639138CK	KVR133X64C3/64	64MB	PC133	8M x 64	168	23.95	21.95
639349CK	KVR100X64C2/512	512MB	PC100	64M x 64	168	105.95	102.95
639322CK	KVR100X72C2/256	256MB	PC100	32M x 72	168	77.95	74.95
639314CK	KVR100X72C3/256	256MB	PC100	32M x 72	168	77.95	74.95
639234CK	KVR100X72RC2/256	256MB	PC100	32M x 72	168	90.95	88.95
639251CK	KVR100X64C3/256	256MB	PC100	32M x 64	168	71.95	66.95
639242CK	KVR100X64C2/256	256MB	PC100	32M x 64	168	71.95	66.95
639293CK	KVR100X64SC2/256	256MB	PC100	32M x 64	144	125.95 117.95	115.95
639218CK	KVR100X72C2/128	128MB	PC100	16M x 72	168	41.95	39.95
639162CK	KVR100X64SC2L/128	128MB	PC100	16M x 64	144	39.95	35.95
639200CK	KVR100X64SC2/128	128MB	PC100	16M x 64	144	39.95	35.95
639197CK	KVR100X64C2/128	128MB	PC100	16M x 64	168	40.95	36.95
639120CK	KVR100X64C2/64	64MB	PC100	8M x 64	168	23.95	21.95
639146CK	KVR100X64SC2/64	64MB	PC100	8M x 64	144	28.95 22.95	20.95

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

DDR2, DDR, SD and EDO Memory Modules

- Adaptec 168-pin DIMM 64MB - 512MB
- DDR2 400/533/667 240-pin DIMM
- DDR 266/333/400/433 184-pin DIMM
- RDRAM 184-pin 125MB - 512MB
- DRAM SIMM
- HP DesignJet, LaserJet, Business InkJet 32MB - 512MB
- SDRAM PC100/133 168-pin DIMM
- Cisco Router SDRAM 100-pin DIMM
- Apple DDR & SDRAM 144 & 168-pin DIMM 256MB - 1.25GB



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Memory Offering at www.Jameco.com/Prod/ComputerMemory

2.5" External USB Enclosure

- 2.5" external enclosure for 2.5" hard drives
- Transfer rate: 480Mbps (Ver. 2.0)
- Plug and play; hot-plug
- Compatible with Windows® 98/98SE/ME/2000/XP
- Bus powered through USB connector

Includes: USB cable with adapter and CD-ROM software drivers

Part No.	Description	1	10
354984CK	2.5" enclosure	\$29.39	\$26.45
		SALE	\$25.10

3.5" Screwless
Hard Drive Enclosure

- Screwless design
- USB 2.0 compliant
- IDE interface supports ATA, PIO, DMA, and UDMA hard drives
- Rugged aluminum body
- Plug and play, hot-swapping capability
- Power-on and read/write access LED indicators
- Size: 8.4"L x 4.7"W x 1.4"H

Includes: USB 2.0 cable, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344735CK	SD-U2PLA-35	\$31.45	\$29.89

USB Thumb Drives

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.

- 10 year data retention
- Size: 2.9"L x 0.7"W x 0.4"H
- Windows® 98/98SE drivers are available at www.Jameco.com

Part No.	Description	1	10
217787CK	128MB	\$49.95	\$47.39
217795CK	512MB	99.99	89.99

USB Flash Drives

Kingston Data Traveler

- 64MB - 1GB

LexarMedia Jump Drive

- 128MB - 512MB

Memorex Travel Drive

- 512MB - 1GB

M-Systems DiskOnKey

- 512MB

SanDisk Cruzer

- 128MB - 2GB

Apacer Handy Steno

- 256MB - 512MB with password security

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete USB Flash Drives Offering at
www.Jameco.com/Prod/USBFlashDrives

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST
for same business day shipment.

Compact Flash Memory

Compact Flash cards are the most popular type of flash storage used in many electronic devices today. These removable, compact cards are ideal storage solutions for taking more pictures with your digital camera, listening to more music with your MP3 player, and increasing the productivity of your PDA, palmtop, or handheld PC.

- Type 1
- Read speed: up to 2MB/sec
- Write speed: up to 1.2MB/sec

Part No.	Size	1	10	25
344962CK	128 MB	\$18.99	\$17.99	\$17.15
344971CK	256 MB	31.69	30.15	28.59
344989CK	512 MB	53.55	50.85	48.29

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Compact Flash Memory Cards

Lexar SanDisk TOSHIBA

- For use with digital cameras, MP3 players, and handheld PCs
- LexarMedia: 64MB to 1GB
- SanDisk: 64MB to 1GB
- also CF Ultra II: 1GB to 4 GB
- Toshiba: 256MB to 2GB
- Renesas: 512MB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Compact Flash Card Offering at
www.Jameco.com/Prod/CompactFlash

Multimedia/SD Flash Cards

SanDisk Kingston TOSHIBA

- For use in digital cameras, PCs, voice recorders, audio/video equipment, TVs, musical instruments, PDAs, mobile phones, automotive equipment, portable audio, and digital video cameras.
- SanDisk: 64MB to 1GB
- also SD Ultra II: 512MB to 2GB
- Kingston: 256MB to 512MB
- Toshiba: 64MB to 1GB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Multimedia/SD Card Offering at
www.Jameco.com/Prod/FlashMMCSD

Flash Card Adapters

Phison 5-in-1 PCMCIA adapter
Phison 5-in-1 Compact Flash adapter

- Use with SmartMedia, Secure Digital, Multimedia, Memory Stick and Memory Stick PRO

MediaGear xD-Picture to SmartMedia

- Windows® and Mac compatible

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Card Adapter Offering at
www.Jameco.com/Prod/FlashAdapters

Flash Memory Cards

xD Picture Card

- Recording media for digital cameras
- For use with Olympus and Fuji
- Fuji: 64MB to 256MB
- Olympus: 64MB to 512MB
- LexarMedia: 32MB to 128MB



Memory Stick, Memory Stick Pro, Memory Stick Pro Duo

- For use with digital imaging, audio, video, mobile, PCs and gaming.
- MagicGate Memory Stick: 128MB
- SanDisk Memory Stick PRO: 512MB to 2GB
- LexarMedia Memory Stick PRO: 1GB
- SanDisk Memory Stick PRO Duo: 64MB to 1GB
- Sony Memory Stick PRO Duo: 256MB



See Our Complete Flash Memory Card Offering at
www.Jameco.com/Prod/FlashMemoryCards

Internal Flash Card Readers

MediaGear 3.5" Media Bay
USB 9-in-1 flash reader/writer

- 4 memory card slots
- Compact Flash type I & II; Microdrive; Memory Stick; Memory Stick PRO; SmartMedia; Secure Digital; Multimedia card & Extreme Digital



Soyo 3.5" BayOne XP 9-in-1 flash reader/writer

- Windows® compatible
- Slot for next generation SD

Soyo 5.25" BayOne Xtreme 9-in-1 reader/writer

- Detachable

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Flash Reader Offering at
www.Jameco.com/Prod/FlashReaders

Front Panel Access Port

Enjoy easy up front access to all your most used ports, including USB, IEEE 1394, audio, and serial ports, without moving the PC.

- 2 USB; 1 IEEE 1394; Line-In; Line-Out; RS-232 (9-pin male)



Tower not included

Part No.	Description	1	10
208004CK	Front panel port	\$34.95	\$32.45

USB Complete

Lakeview (3rd Edition) Provides an easy-to-use interface for computer peripherals. The book covers topics such as what USB can do, transfer types, chip choices, what's inside a USB controller, writing firmware, how the host communicates and more. (572 pages, 2005)

- Size: 7.0" x 9.0"
- Weight: 1.9 lbs.



Part No.	Description	Price
171900CK	Complete USB Book	\$49.95

USB Card Reader

Easy to use, USB memory card reader is compact and very versatile. Supports all types of memory cards: compact flash types I and II, microdrives, both standard and reduced size multimedia cards, memory sticks, standard and mini secure digital cards, and smart media cards. USB 2.0 and 1.1 compliant, it supports transfer rates of up to 480Mbps and direct transfer between different types of memory cards.

- Supports hot-swap and wake-up
- Bus powered – no external power supply required
- LED indicators for power on and operation status of individual sockets
- Built-in USB-A cable

Part No.	Cross Ref. No.	1	10	25
344840CK	SD-U2CR	\$19.95	\$18.95	\$16.50

USB Multimedia Card Reader

An easy way to upload photos, files, movies, and data from your multimedia flash memory card to your computer! Just drag and drop.

- USB-A male connector
- 1 expansion slot for multimedia card
- Compatible with PC's and MAC's

Part No.	Product No.	1	5	10
278125CK	SDDR-1201	\$5.99	\$4.19	\$3.79
				\$3.44

Universal USB Flash Card Reader/Writers



- Windows®/Mac compatible
- SanDisk ImageMate 12-in-1**
- CF type I&II; SD; miniSD; MMC; RS-MMC; MS; MS PRO; MS Duo; MS PRO Duo; SM; xD

SanDisk MobileMate 4-in-1

- MS; MS PRO; MS Duo; MS PRO Duo

Soyo MS-PC-8100 12-in-1

- 3-port hub
- CF type I&II; SD; miniSD*; MMC; miniMMC; MS; MS PRO; MS Duo*; MS PRO Duo*; SM; MD

Zynet CR-T11-U29 12-in-1

- CF type I&II; MD; SM; MS; MS PRO; MS Duo; MS PRO Duo*; SD; MMC; RS MMC*; MiniSD

MediaGear MGTR-600 12-in-4

- CF type I&II; MD; SM; xD; MS; MS PRO; MS PRO Duo; MS Select; SD; miniSD; MMC

MediaGear MGTR-300 8-in-4

- CF type I&II; MD; MS; MS PRO; SM; SD; MMC

I-Rocks IR-5300 12-in-1

- Windows compatible only
- CF type I&II; MD; SM; MS; MS PRO; MS Duo*; MS PRO Duo*; SD; miniSD*; MMC; miniMMC

MagicStor with 2.2GB Hard Drive

- CF+ Type (ATA & PCMCIA compatible)

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. *Requires adapter: see page 238.

See Our Complete Flash Card Reader Offering at www.Jameco.com/Prod/FlashReaders

Standalone Flash Card Readers

Vosonic XS-Drive II & MediaGear Flash-HD

- 6-in-1 portable storage
- Transfer photos or digital data from memory cards to internal hard drive using the LCD panel.
- CF type I&II; Microdrive; Memory Stick; Memory Stick PRO; SmartMedia; Secure Digital; Multimedia Card & xD
- Windows® and Mac compatible

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Standalone Flash Reader Offering at www.Jameco.com/Prod/StandaloneReaders

SmartBeam™ Infrared Adapter

Provides the simplest and fastest way to interface your PC or laptop with palmtops, organizers, and even printers. Using industry standard IrDA 1.0 technology, it can communicate with other devices that are IrDA up to 115.2kpbs. Connect this device to a serial port and share files, printers, and even send email.

Includes: Software & DB9 M-to-DB25 F serial adapter

Part No.	Description	1	10
291821CK	Infrared adapter	\$25.89	\$22.05
			\$19.75

Mobile USB Fan

This is so cool, you'll be its greatest fan!

Take advantage of a great deal on this innovative personal USB-powered fan for laptop computing! You'll enjoy the added comfort of features like a flexible gooseneck mount, soft nylon blades and quiet motor.



Part No.	Description	Price
256461CK	Mobile USB fan	\$8.99

Mobile USB Light

Light up your laptop and work anytime, anywhere!

Whenever and wherever you need light on your keyboard, this USB-powered, flexible, plug-and-play LED lamp will deliver. Discreetly illuminate your keyboard during presentations in darkened boardrooms, or work on the plane without disturbing others.



Part No.	Description	Price
256436CK	Mobile USB light	\$9.99

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!

Card Readers & Cables

Internal Serial ATA, ATA-133 & Floppy Drive Cables



Flat ribbon cables blocks airflow within a computer system, but with round internal cables, it will improve internal airflow in any computer system.

For additional drive cables see page 104. **SALE**

Round Serial ATA cables

- Color: red
- 7-pin connector

Part No.	Description	Length	1	10	25
348710CK	90°	19.9"	\$4.19	\$3.70	\$3.52
348744CK	90°	39.4"	5.29	4.69	4.45
348728CK	180°	19.9"	4.19	3.70	3.52
348736CK	180°	39.4"	5.29	4.69	4.45

Round ATA-133 cables

- Dual 40-pin ATA-133/IDE

Part No.	Color	Length	1	10	25
348752CK	Blue	18"	\$4.25	\$3.84	\$3.65
348761CK	Black	18"	4.25	3.84	3.65
348779CK	Blue	24"	4.89	4.60	4.38
348787CK	Black	24"	4.89	4.60	4.38

Round Floppy Drive Cables

- 34-pin connectors

Part No.	Color	Length	1	10	25
348795CK	Blue	18"	\$5.95	\$5.95	\$5.19
348808CK	Black	18"	5.95	5.46	5.19
348816CK	Blue	24"	6.89	6.49	6.17

Serial ATA Power Cable Extension

- 15-pin serial ATA power connector to 4-pin power connector

Part No.	Size	1	10	25
348841CK	6'L x 18 AWG	\$2.49	\$2.30	\$2.19

IDE to Serial ATA Converter

- Converts 40-pin HDD connector to serial ATA connector

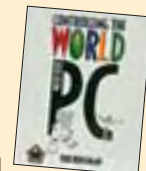
Includes: converter unit, power and serial ATA cables

Part No.	Description	1	10
348824CK	IDE to serial ATA	\$26.09	\$24.79

Controlling the World with Your PC

Hightext Publishing

Make your PC control stepping motors, monitor fluid levels, or switch appliances on and off! Each of the circuits in this book connects directly to the parallel printer port of your PC and comes complete with a circuit diagram and listings for control software written in Pascal, C and BASIC. (257 pages, 1994)



Includes: 3.5" disk

Part No.	Description	Price
116943CK	Controlling the World with Your PC	\$43.85



344794CK



310201CK



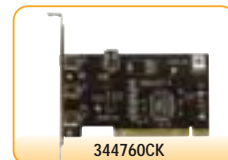
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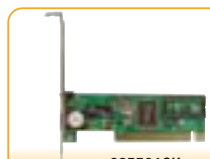
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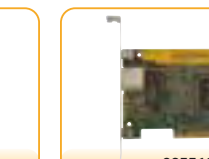
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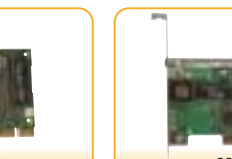
344760CK



285501CK



285510CK



285528CK



313710CK



308769CK

USB Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
344794CK	SYBA	SD-PCB-USB	PCMCIA	2	USB	32-bit cardbus Type II compliant, USB 2.0 compliant, data transfer rate of 480Mbps.	\$29.35	\$27.89
310201CK	—	USB/PCI5	PCI	4 ext / 1 int	USB	USB 2.0 compliant, open host controller interface USB 1.0A compliant, Windows® 98/ME/2000/XP.	14.95	14.19
344815CK	SYBA	SD-PCB-COM	PCMCIA	4	USB/Firewire	32-bit bus Type II slot, USB 2.0 and IEEE 1394a compliant, open HCI V1.0 and 1.1 compliant.	41.59	39.52
344778CK	SYBA	SY-VIA-5UB	PCI	4 ext / 1 int	USB	32-bit host interface, VT6212 (USB 2.0) host controller chip, USB 2.0 Rev 1.1 compliant.	13.55	12.86

Firewire Interface Cards

215984CK	—	U02-00315	PCMCIA	2	IEEE-1394	32-bit bus, IEEE 1394 compliant, 400Mbps max., backward compatible, supports Windows® 98SE/ME/2000/XP and MAC OS 8.6 or above.	\$44.29 \$38.49	\$37.50
344760CK	SYBA	SY-VIA-4F	PCI	3 ext / 1 int	Firewire	VT3606 controller chip, 32-bit, IEEE 1394-1995 and 1394a compliant.	21.79	20.70

Network Interface Cards

285501CK	—	RTL8139D	PCI	1	RJ-45	IEEE 802.3 and 802.3u compliant, auto detection of 10Mbps or 100Mbps, N-way 10/100 auto negotiation.	\$13.49	\$12.15
285510CK	—	905B ♣	PCI	1	RJ-45	IEEE 802.3 and 802.3u, N-way 10/100 auto negotiation.	11.99	10.79
285528CK	—	GD82559 ♣	PCI	1	RJ-45	IEEE 802.2 and 802.3 compliant, 6kB cache on board, 10/100 auto negotiation, supports Windows® 95/98/2000/NT3.51/NT4.0.	11.99	10.79
313710CK	Phoebe	OCTNIC-100	PCI	1	RJ-45	IEEE 802.3 auto negotiation compliant, Windows® 95/98/NT/ME/2000/XP compatible.	12.65	11.99
308769CK	3-COM	3C509B-TPO	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	15.49	13.95
308646CK	COMPEX	RL200A-PnP	ISA	2	RJ-45/BNC	IEEE 802.3 (10Base-T) 10Mbps, supports NETWARE, LAN manager, Windows® 95/NT/Workgroups/OS2.	18.09	16.25
355039CK	GetOn	C130	PCMCIA		Wi-Fi	32-bit cardbus interface, IEEE 802.11b compliant, wireless data-rate (1Mbps to 11Mbps), supports Windows® 98/2000/ME/XP.	17.59	16.72

Serial Interface Cards

171361CK	—	4025A	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550.	\$38.95	\$35.95
171555CK	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/1/15 and address jumper configurable, dual 16C550 DB9 male.	24.95	21.85
132572CK	—	TC-400-550	ISA	4	DB9/DB25	16 or 32-byte FIFO, supports IRQ sharing, dual 16C550 DB9 male, dual 16C550, dual DB25 male.	\$59.95 \$0.95	45.85
172005CK	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171547CK	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660CK	—	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	161.95
344903CK	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

♣ Pull = Extra Savings

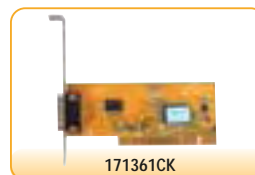
Blue Part No. = Limited Quantity Available



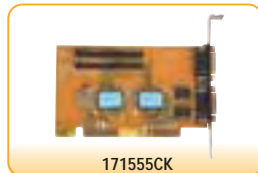
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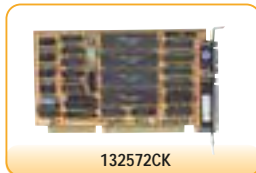
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171361CK



171555CK



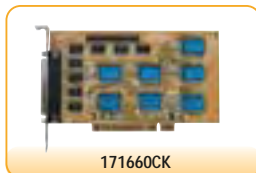
132572CK



172005CK



171547CK



171660CK



344903CK

Interface Cards

Adaptec Cards

- SCSI Cards
- SCSI RAID Cards
- Serial ATA RAID Cards

HighPoint Cards

- ATA Host Adapter Cards
- ATA RAID Cards
- SATA RAID Cards
- Print Server

EdiMax PCI Cards

MicroWise PCI Cards

Broadcom RAIDCore™ Cards

Intel Serial ATA RAID Cards

3Ware Serial ATA RAID Cards

Modem Cards

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See Our Complete Interface Card Offering
at www.Jameco.com/Prod/InterfaceCards



Parallel Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
146691CK	—	4006A	PCI	1	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	\$23.95	\$21.95
171926CK	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	39.95	35.95
163707CK	—	4014A	PCI	2	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	25.59	23.25
344874CK	SYBA	SD-PCI-1P	PCI	1	DB25	32-bit PCI, single DB25 female, NETMOS Nm9805CV chipset, IEEE 1284 compliant.	23.59	22.45

Serial and Parallel Interface Card

169594CK		4078A	PCI	—	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported. Includes parallel DB25 female panel bracket assembly (single parallel / dual 16C550 serial).	\$56.95	\$54.09
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Super I/O Controller Cards

131318CK	—	KW-557A	ISA	—	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	\$29.95	\$26.95
206316CK	—	CA8390	ISA	—	Mult.	16-bit data transfer, supports 2 floppy drives (360k-1.44Mb), controls 2 AT BUS hard disk drives.	11.09	6.79
291901CK	—	MCT-IDEFH-2	ISA	—	Mult.	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to 1.44Mb, jumper selectable for enabling and disabling ports.	28.89	24.55
149294CK	—	CI-2020	ISA	—	50-pin F	DOS/Windows® /NT/95/OS2 Netware/SCO UNIX, internal and external SCSI connectors.	33.99	29.99
191513CK	Adaptec	AHA-2940U2B	PCI	—	68-pin F Ultra SCSI2	AIC-7890AB chipset, Windows® 95/NT, Netware, OS/2 compatible, internal/external ULTRA II SCSI 68-pin connectors.	29.95	26.95

Modem Card

311706CK	Dolphin	CX11252	PCI	—	RJ-11	300-56K data line speed, 2400-14.4K fax line speed, Group 3 w/ T.30 protocol compatible.	\$8.99	\$8.65
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Video Graphics Cards

248840CK	—	PS32985DR-8MB	PCI	—	HDDB15	Savage IX 8MB graphics accelerator, built-in direct draw accelerator and NTSC/PAL video encoder 4-bit resolution.	\$28.99	\$26.35
364111CK	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows 98 and NT4.0 compatible.	29.99	28.49
345252CK	Giga-Byte	GV-N52128DS	AGP	—	HDDB15	128-bit memory bus with NVIDIA GeForce FX5200 chipset, 400MHz mem clock speed, 128MB DDR memory, supports TV-out, DVI port and multiview.	66.19	65.05
488878CK	Chaintech	SA5200-258	4x/8x AGP	—	15-Pin VGA DVI TV-out	64/128-bit memory interface with NVIDIA GeForce FX5200 chipset, 400MHz mem clock speed, 250MHz core clock speed, 256MB DDR memory, supports TV-out and multiview.	86.05	77.40
488528CK	Sapphire	100-563	8x AGP	—	HDDB15 S-Video	4 rendering pipelines & 2 geometry engines with ATI Radeon 9600 XT chipset, 256MB DDR memory, supports TV-out, DVI and multiview.	101.79	98.25

Sound Card

249404CK	Creative	CT4830	PCI	—	Multi	2-audio line-out (mini-stereo 3.5mm F), 1 microphone input (mini phono 3.5mm F), 1-audio line-in (mini-stereo 3.5mm F) and 1 game port (DB15F).	\$29.95	\$26.95
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♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

♣ Blue Part No. = Limited Quantity Available





Part No.	Manufacturer	Product No.	Type	Interface	Description	Fig.	Size (L" x W" x H")	1	10	25
486021CK	AOpen	90.00026-750/752 ♣	Optical	USB-PS/2	3-button with scroll, black/silver	1	—	\$8.79	\$8.71	\$8.63
486055CK	AOpen	90.00026.871 ♣	Optical	USB-PS/2	Wireless, 3-button with scroll	2	—	28.09	27.81	27.53
485925CK	BenQ	M102 Silver-Black ♣	Optical	USB-PS/2	Mini optical mouse, 3-button with scroll	3	3.3 x 2.0 x 1.2	15.69	15.51	15.36
485950CK	BenQ	99.Q0588.C1U ♣	Optical	USB-PS/2	Wireless, 3-button with scroll; programmable	4	4.9 x 2.4 x 1.5	45.69	45.23	44.79
395612CK	IONE	LYNX-L7R	Optical	USB-PS/2	Mini optical mouse w/ retractable cable and USB-PS/2 adapter	5	3.9 x 2.3 x 1.5	29.95	26.95	24.25
485976CK	Logitech	930995-1403 ♣	Optical	USB-PS/2	3-button with scroll	6	—	11.69	11.56	11.44
485992CK	Logitech	931179-0403 ♣	Optical	USB-PS/2	8-button with scroll; programmable	7	—	46.65	41.99	37.79
485896CK	Microsoft	D58-00041/X06-26230 ♣	Optical	USB-PS/2	3-button with scroll, beige	8	—	16.35	16.19	16.03
486080CK	Microsoft	D66-0004/X08-70400 ♣	Optical	USB-PS/2	3-button with scroll, beige	9	—	11.69	11.56	11.44
485888CK	Microsoft	N48-00020/19 ♣	Optical	USB-PS/2	3-button with scroll and tilt wheel	10	—	25.49	25.21	24.96
486098CK	Microsoft	N72-00001 ♣	Optical	USB-PS/2	Wireless, 3-button with scroll and tilt wheel	11	—	37.55	37.14	36.77
486119CK	Microsoft	N73-00013/12 ♣	Optical	USB-PS/2	Wireless, 3-btn w/ scroll & tilt wheel; for left or right hand	12	—	31.95	31.64	31.33
486039CK	Spec Research	HS3003/U+P ♣	Optical	USB-PS/2	3-button with scroll	—	—	7.65	7.54	7.47
354976CK	—	C1-8B-2061-BB	Optical	USB-PS/2	3-button with optical wheel with USB to PS/2 adapter	13	4.2 x 2.1 x 1.6	11.29	10.75	10.19
486047CK	Spec Research	HM2002 ♣	Mech. Ball	USB-PS/2	3-button with scroll	14	—	2.99	2.97	2.94
485714CK	Spec Research	HS3003/49P ♣	Optical	USB-PS/2	3-button with scroll	15	—	7.65	7.54	7.47
485968CK	BenQ	M310 ♣	Optical	USB	Wireless, 3-button with scroll; for left or right hand users	16	3.3 x 2.0 x 1.2	41.79	41.34	40.93
486004CK	Logitech	931352-0403 ♣	Optical	USB	Gaming-grade 8-button with scroll; programmable	17	—	54.79	54.26	53.72
486101CK	Microsoft	BZ4-00001 ♣	Optical	USB	Wireless, 3-button with scroll; snap-in receiver for notebook	18	—	33.99	33.62	33.28
486012CK	Microsoft	N64-0001 ♣	Optical	USB	2-button with scroll; silver	19	—	\$19.95 18.35	17.65	16.55
485861CK	Microsoft	P58-00006 ♣	Optical	USB	3-button with scroll; beige	20	—	11.15	11.00	10.90
485870CK	Microsoft	Q66-00008 ♣	Optical	USB	3-button with scroll; black	21	—	10.15	10.01	9.92
265471CK	—	—	Optical	USB	Mini optical mouse	23	3.7 x 2.2 x 1.3	17.89	16.99	16.15
485917CK	BenQ	99.Q1888.UAP ♣	Optical	PS/2	3-button with scroll; glowing wheel; blue/silver	24	—	7.19	7.11	7.04
485941CK	BenQ	99.Q3188.P2U ♣	Optical	PS/2	3-button with scroll; for right or left hand users	25	4.7 x 2.5 x 1.5	7.89	7.79	7.71
485933CK	BenQ	99.Q3188.P4U ♣	Optical	PS/2	3-button with scroll; black/silver	26	—	7.69	7.60	7.53
265447CK	Memorex	32022378	Optical	PS/2	Wireless, 5-button optical ScrollPro w/ PS/2 to USB adapter	27	4.9 x 3.0 x 1.6	\$29.95 26.95	25.60	24.55
288972CK	Rolltek	K3P400A	Mech. Ball	PS/2	3-button PS/2	28	4.2 x 2.5 x 1.3	4.95	4.49	4.05
305082CK	IONE	Libra-90 Ⓡ	Trackball	PS/2	PS/2 trackball with USB adapter	30	5.6 x 4.7 x 1.9	29.95	26.95	24.25
485909CK	Microsoft	X08-70372/673-00431 ♣	Wheel	PS/2	3-button with scroll; beige	31	—	6.25	6.18	6.12
486071CK	Logitech	953695-0000/0403 ♣	Optical	PS/2	3-button with scroll; black	32	—	7.79	7.73	7.65
486063CK	Logitech	953696-0000/0403 ♣	Optical	PS/2	3-button with scroll; gray	—	—	7.79	7.73	7.65
485693CK	DynaPoint	H4001/H4011 ♣	—	PS/2	Wireless, 3-button with scroll	33	—	9.05	8.96	8.88
485706CK	—	HM2002/H2002 ♣	—	PS/2	3-button with scroll	—	—	3.35	3.28	3.25
283223CK	—	—	Mech. ball	DB9 female	3-button serial	34	4.3 x 2.6 x 1.6	6.15	5.23	(3.92)
121363CK	—	—	—	—	Mini mouse pad	35	7.0L x 5.5W	\$3.79 3.25	2.70	2.00
656907CK	—	FDM-G11	Trackball	PS/2	3-button off-table trackmouse; gray	36	3.0 x 2.0 x 2.0	16.95	15.95	13.49
657011CK	—	FDM-G11-USB	Trackball	USB	3-button off-table trackmouse; black	37	3.0 x 2.0 x 2.0	17.95	16.95	14.49

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Ⓡ RoHS compliant product Ⓡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





Keyboards

Part No.	Mfr.	Product No.	Interface	Description	Fig.	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183CK	—	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	1	12.3 x 6.0 x 1.2	—	\$46.49 \$41.85	\$39.75	\$37.75
114868CK	—	MCK-84SX	5-pin DIN	84-key tactile keyboard, Windows® 95 compatible	2	12.8 x 6.6 x 1.0	—	\$49.95 44.95	40.45	35.05
211756CK	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	3	11.4 x 8.5 x 1.2	2.3	59.95	53.95	48.95
191530CK	COMPAQ	1PRT235BT	PS/2	101-key tactile keyboard w/ separate cursor and numeric keys, 12 function keys (recommend adapter P/N 159089CK)	4	18.3 x 6.5 x 1.3	3.6	18.95	16.95	14.95
639550CK	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	5	15.9 x 6.5 x 1.3	2.1	39.95	35.95	32.49
319661CK	IONE	Gemini-M1	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included	6	17.6 x 7.5 x 1.6	2.2	\$28.49 25.65	24.30	23.10
173649CK	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	7	18.2 x 7.0 x 1.5	2.7	12.95	11.01	(8.26)
128718CK	IONE	Scorpius 35PU/NET	PS/2	104-key tactile keyboard w/ built-in jumbo trackball. N-key rollover. Includes software and USB adapter; beige	8	19.0 x 16.8 x 1.4	3.7	99.95	94.75	89.55
308101CK	Labtech	967360-0403	PS/2	104-key RF keyboard and 3-button optical scroll mouse. Multimedia hot-keys. Includes installation guide and 4AA batteries	9	18.0 x 8.7 x 1.6	4.5	37.25	35.49	30.50
455603CK	—	KM-2501	PS/2	104-key soft touch w/ multimedia & 12 function keys	—	17.5 x 6 x 1.2	1.8	16.25	15.43	14.66
263521CK	—	RT3604	USB	104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear	10	18.6 x 7.8 x 3.8	3.8	\$18.25 14.65	13.90	13.15
319812CK	PC Concepts	iCIA	PS/2	107-key soft-touch keyboard w/ programmable function keys for internet/utility/office, and multimedia. Software included	11	17.5 x 5.7 x 0.8	1.8	\$13.79 12.35	11.15	10.60
354950CK	COMPAQ	KB-9965	PS/2	107-key soft-touch keyboard w/ 12 function keys	13	18.5 x 6.5 x 1.4	1.3	17.99	15.29	(11.47)
485677CK	Microsoft	DA9-00001 ♣	USB, PS/2	102-key wireless keyboard w/ 21 function keys, zoom slider, optical scroll mouse	14	—	—	62.69	62.04	61.42
485685CK	BenQ	X730 PRO ♣	USB, PS/2	104-key wireless keyboard w/ 13 hot-keys and 2-button optical scroll mouse	15	19.5 x 8.0 x 1.6	3.2	110.95	109.81	108.72
485722CK	Microsoft	DB8-00001 ♣	PS/2	104-key digital media keyboard w/ 17 hot-keys, zoom slider; black	16	—	—	26.05	25.77	25.51
485731CK	Microsoft	C190006/375 ♣	PS/2	Internet keyboard with programmable hot-keys; beige	17	—	—	12.99	12.85	12.73
485749CK	KB Designer	KB-118W ♣	PS/2	104-key keyboard w/ 3 Windows® multimedia hot-keys; beige	18	—	—	4.55	4.51	4.47
485757CK	KB Designer	KB-118B ♣	PS/2	104-key keyboard w/ 3 Windows® multimedia hot-keys; black	19	—	—	5.05	5.01	4.96
485765CK	Acer	90.00029.858 ♣	PS/2	107-key keyboard w/ 3 Windows® hot-keys; beige	20	18.0 x 6.7 x 1.4	—	6.15	6.06	6.00
485773CK	Acer	90.00029.UB1 ♣	USB	107-key keyboard w/ 3 Windows® hot-keys; beige	21	18.0 x 6.7 x 1.4	—	15.09	13.58	12.22
485781CK	BenQ	99.POK81.U21 ♣	PS/2	107-key keyboard w/ 3 internet hot-keys; beige	22	—	—	5.89	5.81	5.76
485790CK	Microsoft	N90-00073/N91-00002 ♣	USB	104-key wireless keyboard w/ 7 hot-keys and 2-button optical scroll mouse	23	—	—	58.75	58.15	57.57
485802CK	BenQ	X120 ♣	USB, PS/2	X-Structure™ key technology w/ 5 internet hot-keys; black/silver	24	17.8 x 6.3 x 0.8	1.8	20.95	20.70	20.50
485811CK	Microsoft	K49-00023 ♣	PS/2	102-key multimedia keyboard w/ 17 hot-keys and detachable palm rest	25	—	—	16.69	16.50	16.34
485829CK	Microsoft	A11-00342/347 ♣	PS/2	Natural Keyboard Elite w/ ergonomic design and integrated palm rest	26	—	—	17.69	17.49	17.32
485837CK	Microsoft	K50-00074/22 ♣	PS/2	Natural Multimedia Keyboard Elite w/ hot-keys and built-in palm rest	27	—	—	21.55	21.32	21.11
485845CK	Acer	90.00029.SK5 ♣	USB, PS/2	100-key multimedia keyboard w/ 13 internet hot-keys	28	—	—	22.85	22.62	22.40

♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Keypads

265375CK	QTRONIX	Scorpius-22RB Ⓢ	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function. Includes manual and drivers.	29	6.2 x 4.2 x 1.3	0.8	\$39.95	\$35.95	\$32.49
319054CK	—	KB22APB Ⓢ	PS/2	22-key PS/2 tactile keypad. Includes PS/2 to AT adapter.	30	—	—	33.69	31.99	30.39

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	QtySave



Classic Line Keyboards

Keyboards that meet the highest demands for office and home applications.

- 104 or 105 keys
- Keycap symbols are water resistant and easy to clean

Standard

- NTK technology
- Space efficient compact keyboard
- PS/2 and USB
- Membrane contact switches with rubber-mat technology for individual use

Compact (19 inch)

- MX technology with Gold Crosspoint contacts
- PS/2 interface
- Precision switching
- Linear action

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards



Slim Line Keyboards

Compact keyboards are ideal for applications where reduced space requirements and low weight are of great importance.

- Keycaps arranged in 18mm grid
- ML technology with Gold Crosspoint contacts
- Ideal for use with Slim Line PCs and notebook computers

Ultra Low Profile Compact with 86 Keys

- For banking/financial applications or medical environments

Ultra Flat Compact with Integrated Trackball

- Excellent for systems where a pointing device is required but limited space does not permit the use of a separate mouse

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards



Advanced Performance Line Keyboards

Cherry sets the pace for new interface and device support such as USB, OPOS/JPOS, smart card and fingerprint technology. Cherry keyboards are designed to meet your needs.

FingerTIP ID Boards

- Equipped with PC/SC smart card reader and optional FingerTIP sensor
- USB interface

MultiBoards

- Combines functions of keyboard, magnetic stripe card reader and smart barcode decoder in a single device — suitable for POS applications
- Reads any ISO 7812-compliant magnetic stripe card

SmartBoards

- Secure PIN entry mode
- Optional smart card reader
- Class 2 terminal
- Especially suitable for access checks, network log-on and smart card based internet transactions

TouchBoards

- 104-key keyboard with integrated, high-quality touchpad and mouse keys

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards



Programmable Keypads

Whether for numerical inputs, controls or for frequent number entry—the programmable keypad is the ideal accessory.

- Equally suitable for left- or right-handed users
- All keys can be user-defined with up to 24 characters per key
- Variable decimal separator
- PS/2 interface
- External standard keyboard can be connected
- Reliability: MTBF: 550,000 hours

Classic Line

- MX technology with Gold Crosspoint contacts

Slim Line

- ML technology with Gold Crosspoint contacts
- Use as an extension for notebook computers

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



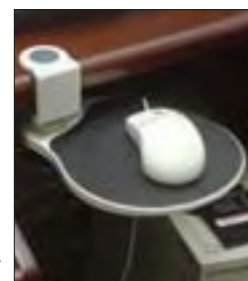
See Complete Keypad Offering at www.Jameco.com/Prod/CherryKeypads

Clip-on Mouse Pad

Organize and maximize your workstation.

Tired of trying to work without enough space? Free up your desk space with this convenient clip-on mouse platform. No drilling required—clamps on securely to your desk or workstation without damaging the desk. This unit also stores completely below your desk so you don't have to see it when it's not in use. Includes a cord clip to keep mouse cord tangle-free and in position.

Part No.	Description	Price
249105CK	Clip-on mouse pad	\$6.99



USB Smart Card Readers

Whether for access authentication, network log-on or smart card-based internet transactions—the standalone Smart card reader with USB connection is specially designed to get the job done.

- PC/SC Smart card reader
- Single-hand operation
- Supported protocols: T=0, T=1, S=8, S=9 and S=10
- CT-API supported

577475CK/577483CK:

- Compatible with CardMan 2020
- MTBF: 50,000 insertion cycles

577491CK:

- Compatible with CardMan 3121
- MTBF: 100,000 insertion cycles
- CCID-compatible
- EMV 2000 terminal Level 1-approved

Part No.	Product No.	Color	1	10
577475CK	ST-1000UA	Grey/blue	\$55.29	\$49.00
577483CK	ST-1000UB	Grey/black	47.95	42.50
577491CK	ST-1044UB	Grey/black	42.99	39.19

♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

USB Keyboard Adapter

- USB-A female to 6-pin mini DIN male (PS/2)

Part No.	Description	1	10	25
316831CK	USB-A to PS/2	\$1.79	\$1.59	\$1.39



Additional Wireless and Optical Mice

- PS/2 and USB interfaces
- Ergonomic designs
- Programmable hot keys
- High-resolution sensors
- Scroll wheel
- Mini (notebook) styles

Available manufacturers:

BenQ

Acer

Logitech

Spec Research

Microsoft

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Our Complete Mice Offering at www.Jameco.com/Prod/Mice



308814CK



150 to 400-Watt PC Power Supplies

NEW

Quantity SAVE

421657CK



196189CK



172822CK



ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs.)	Pricing		
										1	10	25
422001CK	Seasonic	SS-600HT Active PFC	600	+3.3/30, +5/30, +12/18, +12/18, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$145.00	\$133.40	\$126.20
422094CK	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	125.00	115.00	108.80
421999CK	Seasonic	SS-460HS Active PFC	460	+3.3/30, +5/30, +12/16, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.3	95.00	87.40	82.70
308814CK	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	52.20	49.59
673379CK	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	76.00	68.40	62.50
652607CK	Seasonic	SS-400HT-80 Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.5	99.00	91.10	86.10
673352CK	Seasonic	SS-350HS Active PFC	350	+3.3/22, +5/21, +12/10, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	57.00	51.30	46.00
673361CK	Seasonic	SS-301HT Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	46.00	41.40	37.25
652594CK	Seasonic	SS-300SFD-80 Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.5	66.00	60.70	57.00
427928CK	Seasonic	SS-300SFD Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	51.00	46.90	44.40
673344CK	Seasonic	SS-300HS Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	42.00	37.80	35.00
422123CK	Seasonic	SS-250SFD Active PFC	250	+3.3/18, +5/21, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.7	42.00	38.60	36.50
319994CK	3Y Power Technology	AP-1250-1112	250	+3.3/20; +5/25; +12/12 +5VSB/3; -5/5; -12/0.5	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050CK, pg 226)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	33.25	31.65	23.75
152194CK	American Media	JE2031	250	+3.3/14, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	UL/CSA/TUV	6.0 x 5.5 x 3.4	3.5	44.95	40.45	36.39
152514CK	High Power	JE8250	250	+3.3/16, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	UL/CSA/TUV	5.5 x 5.9 x 3.4	3.3	44.95	40.45	36.39
421657CK	Powertronic	PK1800T3*	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/5, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CK, pg 226)	UL/CSA/TUV	6.0 x 5.6 x 3.3	3.3	15.95	14.49	11.95
196189CK	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CK, pg 226)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	29.71	22.28

AT Power Supplies

233525CK	Sparkle Power	SPI-230G	230	+5/23, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CK, pg 226)	UL/CSA/TUV	5.9 x 5.5 x 3.4	2.0	\$24.95	\$22.45	\$20.19
172822CK	Mean Well	AA-230*	200	+5/20, +12/8, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	CSA/TUV/CE	6.0 x 4.6 x 3.4	2.6	49.95	44.96	40.46

Rack Mount 1U/2U ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Weight (lbs.)	Pricing		
										1	10	25
673387CK	Seasonic	SS-600H2U Active PFC	600	+3.3/20, +5/25, +12/15, +12/15, +12/17, -12/0.8, +5VSB/3	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	10.7 x 3.9 x 2.7	2.7	\$169.00	\$152.10	\$136.95
422140CK	Seasonic	SS-520H1U Active PFC	520	+3.3/20, +5/25, +12/14, +12/14, +12/15, -12/0.8, +5VSB/3	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	10.6 x 3.9 x 1.6	3.0	149.00	137.10	129.60
422060CK	Seasonic	SS-460H2U Active PFC	460	+3.3/20, +5/21, +12/18, +12/18, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	8.5 x 3.9 x 2.7	4.0	129.00	118.20	112.20
422043CK	Seasonic	SS-400H1U Active PFC	400	+3.3/20, +5/21, +12/16, +12/17, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	8.9 x 3.9 x 1.6	3.0	109.00	100.30	94.80
422019CK	Seasonic	SS-250E1U Active PFC	250	+3.3/16, +5/12, +12/18, -5/0.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	7.5 x 3.9 x 1.6	2.7	75.00	69.00	65.30

* See photo above

Blue Part No. = Limited Quantity Available

PC Power Supplies

PC & IPC Power Supplies

- Power range: 90W to 530W
- Input voltage: 90-265VAC, 115/230VAC or 90-264VAC
- ATX, ATX/SFX, Flex ATX, PS3, TFX, IU, EPS 1U, EPS 2U, 2U and Power Factor Correction types available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Sparkle PC Power Supply Offering at www.Jameco.com/Prod/Sparkle

ETASIS PC Redundant Power Supplies

- Input voltage: 100-240VAC @ 47-63Hz
- 2U, 3U & 4U types available • N + 1 configuration
- Built-in cooling fan • Power fault alarm systems
- Over-current, over-voltage, over-power and short circuit protection

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Etasis PC Power Supply Offering at www.Jameco.com/Prod/Etasis

Power Inverters

150-Watt DC-to-AC Inverter

- Input voltage: 10-15VDC
- Output voltage: 110VAC @ 60Hz
- Peak power surge capable
- Overload & thermal protection
- Battery low shutdown
- Weight: 1.3 lbs. • Dimensions: 4.8"L x 2.9"W x 1.8"H



Part No.	Description	1	10	25
277181CK	150W auto plug	\$28.95	\$27.49	\$26.15

75 and 150 Watt DC-AC Inverters

- Optimum efficiency: 90%
- AC output frequency: 60Hz
- DC input voltage range: 10 - 15VDC
- Auto reset short circuit protection
- Overload protection/low battery alarm/low battery shutdown
- P/N 307811CK has a built-in thermal cooling fan



Part No	Description	Peak Surge	AC Output	Dimension	Price
307791CK	75W inverter	200W	115VAC	4.8"L x 1.6"W x 2.4"H	\$26.95
307811CK	150W inverter	450W	110V ±5VAC	5.0"L x 1.9"W x 2.9"H	34.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



isobar®

Surge Protectors



- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 and 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty

ULTIMATE
LIFETIME
INSURANCE



Standard Surge Protectors

Economical and effective spike and noise suppression with diagnostic LEDs.

- 168954CK: • \$20,000 Ultimate Lifetime Insurance
- Up to 27,000 amp spikes • Weight: 1.2 lbs.
- 124337CK: • \$75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes • Weight: 1.6 lbs.

Part No.	Product No.	Joules	1	10
168954CK	Striker 7	750	\$8.95 \$8.05	\$7.65
124337CK	Super 7	2350	17.95	16.35



Lower\$\$\$

6-Outlet Surge Protector

- Standard 6-outlet surge suppressor
- Heavy-duty power cord (14AWG x 3)
- RESET/OFF switch with built-in 15A circuit breaker • Clamping voltage: 400V
- Max. surge dissip.: 900 joules • Max. surge volt.: 6500V • Max. spike cur.: 4500A

Part No.	Description	Weight (lbs.)	1	10	100
216485CK	Surge suppressor	0.9	\$6.95	\$6.25	\$5.59



RCA Integrated Wall Plate Surge Protectors

- \$5,000 surge equipment guarantee • Safe-operation indicator lights
- 2 outlets • Noise-filter • UL/CUL approved

235002CK: Satellite/Cable TV protection

- Cable ready • 670 joules
- Includes: 6-foot coaxial cable

234991CK: Modem/Phone/Fax protection

- Internet ready • 410 joules
- Includes: 6-foot phone line cord

Part No.	Product No.	Size (WxDxH)	Weight (lbs.)	1	6	12
235002CK	SPC300	6.9"x1.0"x10.8"	0.7	\$5.95 \$3.95	\$3.58	\$3.26
234991CK	SPT300	6.9"x1.0"x10.8"	0.7	\$5.95 3.95	3.58	3.26

SALE



SL WABER Compact Surge Protector for Notebook Computers

- Single 3-prong receptacle outlet with telephone modem protection
- 3-prong wall mount type • 210 joule rating
- Surge LED indicator • RFI noise blocker

Includes: 4' RJ11 cord

Part No.	Description	Size	1	10	25
206279CK	Outlet protector	2.3"W x 1.3"D x 3.3"H	\$6.95 \$5.89	\$5.31	\$4.75

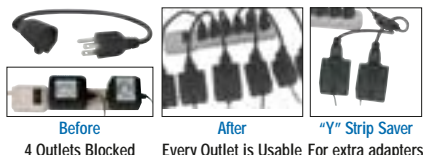
SALE

Power-Strip-Saver Single Outlet and "Y" Double Outlet

Get full use of your power strips and UPS outlets with our high quality power strip outlet saver. You can use all the outlets on your surge suppressors, UPS, and outlet strips.

Just plug a bulky power adapter into this cable and free up your other outlets.

- Length: 1 ft. • Cord type: SVT



Part No.	Description	1	10	50
199777CK	AC power cord (black) ⊕	\$1.69	\$1.55	\$1.39
208338CK	AC power cord (beige) ⊕	1.69	1.45	1.09
208346CK	"Y" power-strip-saver ⊕	3.25	3.09	2.89



Battery-Backed UPS System



- Protects your PC, fax/modem and all peripherals against all types of power problems • Up to 30 minutes runtime
- Up to \$150,000 Ultimate Lifetime Insurance for connected equipment
- 6-outlets, 2-line for DSL connection or modem & fax • Weight: 16.0 lbs.
- Automatic system shutdown with free PowerAlert software for 500VA and 700VA

Part No.	Product No.	Description	1	10
185130CK	IO500 ⊕	500VA, 6 outlets	\$120.99	\$112.89



6-Outlet Surge Protector

- Metal • 3-prong, 4' power cord
- Max. spike current: 4500 amps, 50 joules
- Size: 12.3"L x 2.4"W x 1.3"H • Weight: 1.5 lbs.



Part No.	Description	1	10	100
20175CK	Metal power strip	\$9.85	\$8.85	\$7.85



Power Angel Monitor

- Help to forecast and manage your electric bill
- Monitor AC power quality to protect sensitive instruments
- Choose the correct Uninterruptible Power Supply (UPS) based on the real VA of your equipment
- Use it anywhere with any 120VAC appliance
- Max. voltage: 125V, 50/60 Hz

Part No.	Description	1	10	25
422158CK	Power Angel	\$35.05	\$32.20	\$30.50



Index of Electronics-Industry Books

Part No.	Description	Page
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215052CK	Microcontrol'n Apps, PIC Microcontroller Applications	7
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174650CK	PIC Microcontroller Project Book, Beginner's Guide	7
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Microcontrollers
Computer
Reference



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19

SALE

Quantity SAVE

KVM Switchboxes

SALE

Part No.	Mfr.	Fig.	Mfr. Part No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
114155CK	—	1	40H1-14402	2-way keyboard / mouse switchbox (2PCs to 1 user)	HDDB15 female / 5-pin DIN female	6.0 x 4.0 x 2.3	1.3	\$14.95	\$13.49
310826CK	—	3	KVM2717	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Requires 9.5VDC@500mA power supply - recommend P/N 100175CK pg 219	4.7 x 4.0 x 1.8	1.5	49.19	46.75
310842CK	—	4	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	User connectors: PS/2 female for keyboard & mouse, HDDB15 female for monitor to PC connectors: 2 HDDB15 male for monitor,	2.9 x 2.7 x 1.1	1.5	82.29	78.15
310834CK	—	5	KS104	4-way KVM switchbox (4 PC's to one user)	PS/2 female for keyboard & mouse, HDDB15 female for monitor; Recommend P/N 202180CK pg 162 for power supply	7.4 x 2.9 x 1.3	7.1	112.49	102.26
149391CK	ATEN	6	CS-114A	4-way KVM switchbox (4 PCs to one user)	DB9 serial female / PS/2 keyboard & mouse (recommend P/N 204062CK for PS/2 cable see below) Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	179.85	162.59
132249CK	—	7	40H1-25602	2-user switchbox (1PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CK (5-pin M-M cable); P/N 66173CK (DB15HD M-M cable); P/N 132345CK (DB9 F-F cable) pg 105	7.5 x 5.3 x 2.8	1.6	17.95	15.26
79177CK	—	8	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	19.95	17.95
134017CK	—	9	40H1-25604	4-user switchbox (1PC to 4 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CK (5-pin M-M cable); P/N 66173CK (DB15HD M-M cable); P/N 132345CK (DB9 F-F cable) pg 106	7.5 x 5.3 x 2.8	2.3	21.95	19.95

Serial-to-PC Switchboxes

79126CK	—	10	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	\$9.95	\$8.95
183417CK	—	11	—	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	19.95	17.95

Network-to-Server Switchbox

180099CK	—	12	40R2-01604	4-server RJ-45 switchbox	4 RJ45 8P8C female (network devices to 4 servers)	8.0 x 6.1 x 2.2	2	\$14.95	\$13.49
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Fax/Modem/Telephone-to-PC Switchbox

79142CK	—	13	40R1-01602	2-PC RJ-11 switchbox	RJ-11 6P6C (fax/modem/telephone to 2PCs)	6.0 x 4.8 x 2.5	1.2	\$9.95	\$8.95
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Parallel Printer-to-PC Switchboxes

 Blue Part No. = Limited Quantity Available

20095CK	—	14	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	\$8.95	\$7.95
20124CK	—	16	40D3-17604	4-port switchbox	DB25 female (4PCs to 1 printer)	6.0 x 4.0 x 2.4	1.5	14.95	13.49
177412CK	ATEN	17	AS-451P	4-port auto switchbox	DB25 female (4PCs to 1 printer)	—	0.5	6.49	5.85
289211CK	—	18	25F6	6-port switchbox	DB25 female (6PCs to 1 printer)	7.6 x 6.0 x 2.5	2.2	23.15	17.35

USB-to-PC Switchbox

310818CK	—	19	USB-2PORT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	\$26.19 \$22.25	\$21.15
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PS/2 Cable

- Use with P/Ns 149391CK above

Part No.	Description	1	10
204062CK	6' PS/2 cable	\$16.95	\$15.29

Digital Video Interface Cable

- DVI cable for flat panel LCD monitors and high-end video graphics cards
- Connector: DVI-D single link type
- Length: 6'

Quantity SAVE

Part No.	Description	1	10	100
320346CK	DVI cable	\$13.45	\$12.69	\$9.52

Mid-Tower Computer Cases

- Classic design
- Easy access side panels
- Excellent cooling options
- Includes power supply
- Perfect for the gamer and enthusiast

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Computer Case Offering at www.Jameco.com/Prod/PCCases



ATX Vertical Full Tower Case

- Slide-off side panel access
- LED indicators for power and HDD activity
- Front panel reset switch and power switch
- Internal 8Ω speaker
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays
- Size: 7.5"W x 16.8"D x 24.5"H
- Weight: 25 lbs.

SALE



Part No.	Description	1	10
292066CK	ATX full tower	\$33.39 \$28.39	\$25.79

Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)



Part No.	Description	1	10	25
116581CK	Short haul modem	\$29.95	\$26.95	\$23.95

External 56kbps Fax/Modem with Digital Answering Machine

- Digital telephone answering machine with voice mail system
- RS-232 (DB9 female) interface
- Modem speed: 300-56000bps
- Error correction: ITU-T V.42, MNP2-4
- Data compression: ITU-T 1.42bis, MNP5
- Flow control: RTS/CTS, Xon/Xoff
- Fax/modem line speed: 2400-14400bps
- Standard compatibility: ITU-T V.17, V.27 ter, V.29
- Command set: Class 1, 1.0, 2 and associated AT command sets
- Size: 6.3"L x 4.0"W x 1.3"H



System requirements: Pentium® or PC compatible with 16MB of memory, available RS-232 slot; Windows® 9x/ME/NT4.0/2000/XP

Includes: RS-232 cable (DB25/DB9 female to DB9 male); phone cord, 9VAC@1A power supply, CD-ROM drivers and manual

Part No.	Description	1	10
216493CK	Serial modem (Rockwell)	\$39.35	\$35.79

USB Fast Ethernet Adapter

- Plug and Play
- IEEE802.3 (10 BaseT) and IEEE802.3 (100 BaseT) specification compatible
- USB Rev 1.0 and 1.1 compatible
- Supports OHCI and UHCI
- Self-powered
- 1 upstream USB port and RJ-45 port
- Supports Windows® 98/ME/2000/XP



Part No.	Description	1	5	10
310797CK	USB-Ethernet Adapter	\$21.69	\$19.55	\$17.55

USB Modem Adapter

This UC-232 USB serial modem adapter provides an external plug and play RS232 modem connection for PCs, notebooks, laptops, and handheld computing devices that support the USB specification.



- Data transfer rate: determined by modem
- Power consumption: 90mA
- Power mode: bus powered
- Size: 3.2"L x 2.2"W x 0.9"H

Includes: DB-25 male connector and USB type A cable

Part No.	Description	1	10
355696CK	USB modem adapter	\$15.45	\$13.95

UTP Ethernet Cable Tester

- Connector type: RJ45 8P8C
- System used: 258A, 356A, AT&T/Ethernet 10BaseT
- Miswire, open, short tests



Requires: 9V battery (recommend P/N 151095CK, pg 228)

Includes: Zipper case

Part No.	Size (L x W x H)	1	10
115895CK	4.5" x 2.5" x 1.3"	\$29.95	\$26.95

Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A/568B, token ring, etc.

- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- One-year warranty
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)



Includes: Manual and test cables

Part No.	Description	1	10
145710CK	Modular cable tester	\$84.95	\$76.49

Tone Generator & Amplifier Probe For Tracing Wires & Cables

- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

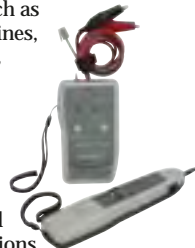


Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002CK	Tone gen. & amp. probe	\$79.95	\$71.95

Net Toner and Probe Kit

With testing functions such as sending tones, verifying lines, indicating line conditions, identifying tip and ring, providing "talk" battery and testing continuity, you can use this kit on single conductor, twisted pairs, coaxial cables, and non-energized electrical wiring. Connections include alligator clips, RJ45 jacks and RJ12 plugs.



Includes: Padded zipper case w/ belt loop & spare tips

Part No.	Description	1	5
227897CK	Net toner & probe kit	\$69.85	\$63.50

Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type coax cables.

- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- "F" connector for troubleshooting CATV and coaxial installations
- Size: 3.25"H x 2.0"W x 1.25"D
- Tests installed wiring and jumper cables, shielded or unshielded twisted pair cables (CAT5e / CAT5 / CAT4 / CAT3)
- Includes 2 AAA batteries
- Tests cable lengths from 3 ft. to 600 ft.



Part No.	Product No.	Price
645634CK	CT100	\$28.49

LANtest Network and Modular Cable Tester

- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/568B and token ring cable, etc.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power



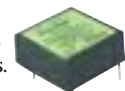
Part No.	Product No.	1	10	50
615136CK	45-5767-0000	\$115.79	\$104.24	\$93.82

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Telephone Ringing Generator

Switching inverter that produces low-frequency alternating current to signal telecom ringers or equivalents.

- Series resistor: 300Ω
- Nominal output voltage: 86Vrms
- No reverse polarity protection
- Frequency: 20Hz



Part No.	Product No.	1	10	25
145816CK	LBMR12	\$24.25	\$22.05	\$19.75

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Baud rate: 300 to 38,400bps
- Size: 4.0"L x 2.5"W x 1.0"H
- Stop bits: 1 or 2
- Weight: 0.8 lbs.
- One-year warranty



Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935CK	Bi-converter	\$49.95	\$44.95	\$39.95

Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps ~ 115,200bps
- FCC class A certified, FCC certified
- LED indicator for parallel busy status
- DCE/DTE selectable
- Stop bits: 1 or 2
- Weight: 0.8 lbs.
- Size: 3.8"L x 2.4"W x 1.0"H
- One-year warranty



Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983CK	Serial/parallel converter	\$48.49	\$44.95

We're Listening To Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

IBM® 8-Port Ethernet Hub

Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via the MDI (uplink) port.

• Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.



Part No.	Description	1	10
226149CK	8-port hub	\$44.95	\$39.95

AUI/10BaseT Transceiver

Provides connectivity with work stations equipped with AUI ports to 10BaseT ethernet local area network. Switch selectable SQE (signal quality error)/"Heartbeat Test" to detect collision.



SALE

- IEEE 802.3 10BaseT compliancy
- 4 LED indicators for receive, transmission, collision and link
- AUI 15-pin RJ45 connector
- Size: 2.3"L x 1.7"W x 0.8"H • Weight: 0.2 lbs.

• Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
215917CK	Ethernet transceiver	\$20.30 \$15.25	\$13.86

External 3-Port USB Thumbhub

Expand your single USB port to a stacked 3-port thumbhub.

- USB Revision 1.1 compliant
- LED indicators uplink/down port communication, and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible with Windows® 98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H



Part No.	Description	1	10
208451CK	3-port thumbhub	\$12.49	\$11.49

Lowest Price Guarantee!



Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Network Adapters

Server Adapters

PRO Server adapters are compatibility tested, and come in a broad range from 10/100 Mbps to 10 Gbps, for copper or fiber, from PCI to PCI Express, in single- to quad-port configurations.

Desktop Adapters

Award-winning line of Ethernet, Fast Ethernet and Gigabit Ethernet desktop adapters. Choose from a variety of adapters designed to extend Gigabit Ethernet performance to the desktop, enhance desktop management and provide flexible connectivity for your legacy PCs.

Wireless Adapters

PRO/Wireless Network Connection is the integrated Wireless LAN (WLAN) solution for Intel® Centrino™ mobile technology. The Intel PRO/Wireless Network Connection works in concert with the other Intel Centrino mobile technology components to provide freedom and flexibility to work and play on the go without hunting for a phone jack, network cable, or plugging in a special card.

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See Our Complete Intel Networking Offering at www.Jameco.com/Prod/IntelNetwork



Linksys® Networking Products

Wired & Wireless

- Routers
- Adapters
- Access Points
- Expanders
- Ethernet Bridge
- Network Kits
- Switches
- Bluetooth



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Networking Products

Encore Modems

Built with an advanced Smart Link chipset and features a complete system design that provides data faxing and T&M for 56k dial-up internet access.

Wintec Embedded Modems

Modules can easily be integrated into a host and can provide a low cost communication link to the outside world. They are programmable to meet international telephone line interface requirements.

Bytecc Bluetooth

Bluetooth USB Adaptor is an external adaptor enabling Notebook and Desktop PC through USB interface to communicate wirelessly with other Bluetooth enabled devices.

Edimax Network Switches

Switches for improving the performance of small network or solution for the most powerful high speed network.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Input: 110VAC; except P/N 129218CK 220VAC input
- Weight: 0.9 lbs. • One-year warranty



Now a European Version!

197931CK: port powered (power adapter not included)

• Data rate: 100kbps

122956CK: features RS-485SI; optical isolation: 2000V

129218CK: features 220VAC input

Includes: 9VDC @ 300mA power adapter

Part No.	Description	1	10
117701CK	RS-232-485/422	\$57.95	\$51.95
197931CK	RS-232-485/422	69.95	52.45
122956CK	RS-232-485/422 OPT ISO	119.99	107.99
129218CK	RS-232-485/422 (220 VAC)	42.95	36.95

4-Port Ethernet Wireless Router

- 54Mbps data rate supported
- 10/100 Base-T ethernet
- Configures as DHCP server to automatically assign IP address
- 802.11g technology and backward compatible to 802.11b
- Wi-Fi protected access
- Legacy 64-bit and 128-bit WEP encryption
- Size: 6"W x 6"D x 1"H

Includes: Quick start guide, base stand, 12VDC @ 500mA power supply and CD-ROM

Part No.	Product No.	1	5
618038CK	WR850G	\$49.95	\$44.95



USB 2.0 Docking Station

- Connects via USB-A port to your laptop
 - Size: 4.8"W x 2.5"D x 1.0"H
- System Requirements:**
- PC with minimum 75MHz Pentium or equivalent; 16MB of RAM minimum, available USB-A port, Windows® 98 or later



Part No.	Product No.	1	5
527822CK	USB 2.0 dock	\$35.99	\$34.49

Pioneer Quicksilver Rack Mount Enclosure Kits*

Easy installation and reconfiguration. Kits include base with leveler feet, top panel with exhaust fans and cable access, 2 pairs of 10-32 tapped 19" cable management mounting rails, over-head interior light, 6-outlet power strip, one fixed shelf, document storage pocket, and mounting hardware.



- Load capacity up to 1,500 lbs. or 2,000 lbs. when ganged together
- Compatible with all standard APW Pioneer options and accessories • Overall depth: 34.65"

Initial Unit • Vented side panels

Lower \$\$\$

Part No.	Product No.	Height	Rack	Price
350049CK	PDC1904330KITM	52.50"	25U	\$1,684.25
350052CK	PDC1907030KITM	78.75"	40U	1,774.25
350055CK	PDC1907830KITM	87.50"	45U	1,854.25

Add-On Unit • No side panels

350058CK	PDC1904330KITNSM	52.50"	25U	\$1,409.25
350061CK	PDC1907030KITNSM	78.75"	40U	1,473.25
350064CK	PDC1907830KITNSM	87.50"	45U	1,522.25

Pioneer Pre-Configured Rack Mount Enclosures*

Available in four different kit combinations, each series offers an initial unit and a corresponding add-on unit for multi-bay configurations. Pioneer Datacom kits provide 42U of vertical space.



- 24" wide footprint
- Fully welded steel construction
- Load capacity of up to 1,500 lbs. or 2,000 lbs. when ganged together • Multi-vendor server compatibility

Initial Unit kits • Solid side panels (except P/Ns 350019CK & 350022CK – perforated)

Part No.	Product No.	Depth	Top Panel	Fr. Door	Price
350001CK	PK124MS7436	36"	Perf	Lexan	\$1,676.25
350004CK	PK124MS7442	42"	Perf	Lexan	1,702.25
350007CK	PK224MS7436	36"	Fan	Lexan	1,939.25
350010CK	PK224MS7442	42"	Fan	Lexan	1,977.25
350013CK	PK324MS7436	36"	Perf	Perf	1,488.25
350016CK	PK242MS7442	42"	Perf	Perf	1,541.25
350019CK	PK424MS7436	36"	Perf	Perf	1,700.25
350022CK	PK424MS7442	42"	Perf	Perf	1,559.25

Add-On Units • No side panels

350025CK	PA124MS7436	36"	Perf	Lexan	\$1,336.25
350028CK	PA124MS7442	42"	Perf	Lexan	1,371.25
350031CK	PA224MS7436	36"	Fan	Lexan	1,610.25
350034CK	PA224MS7442	42"	Fan	Lexan	1,645.25
350037CK	PA324MS7436	36"	Perf	Perf	1,175.25
350040CK	PA324MS7442	42"	Perf	Perf	1,209.25
350043CK	PA424MS7436	36"	Perf	Perf	1,175.25
350046CK	PA424MS7442	42"	Perf	Perf	1,209.25

Mini-Max 19" Wall Mount Enclosures*

- Dual-tapped & field-reversible 10-32 and 12-24 mounting rails (1 pair per cabinet) • Vented
- Plexiglas door except P/N 350199CK (solid metal door)



Part No.	Product No.	Vertical Panel Opening	Usable Depth	Price
350196CK	WCF192114PLM	21.00" (12U)	14.00"	\$412.25
350199CK	WCF192114SLM	21.00" (12U)	14.00"	367.25
350202CK	WCF192120PLM	21.00" (12U)	20.00"	453.25
350205CK	WCF193520PLM	35.00" (20U)	20.00"	561.25
350208CK	WCF194520PLM	45.50" (26U)	20.00"	670.25

Vertical Mount Power Strips*

- Voltage rating: 125VAC
- Cord length: 15 feet



Part No.	Product No.	Amps/Plugs	Plug Type	Length	Price
350133CK	EPS4015 ¹	15/6	5-15P standard	40"	\$95.25
350136CK	EPS6015 ¹	15/10	5-15P standard	60"	99.25
350139CK	EPS6015T ¹	15/10	L5-15P twistlock	60"	111.25
350142CK	EPS6020 ¹	20/12	5-20P	60"	112.25
350145CK	EPS6020T ¹	20/12	L5-20P twistlock	60"	121.25
350148CK	EPS4015I ¹	15/6	5-15P standard	40"	97.25
350151CK	EPS6015I ¹	15/10	5-15P standard	60"	101.25
350154CK	EPS6615 ²	15/20	5-15P standard	66"	123.25
350157CK	EPS6615T ²	15/20	L5-15P twistlock	66"	132.25
350160CK	EPS6620 ²	20/20	5-20P standard	66"	164.25
350163CK	EPS6620T ²	20/20	L5-20P twistlock	66"	172.25

¹ No breaker; ² With breaker

19" Rack Mount Power Strips*

- Voltage rating: 125VAC • 15' cord
- Dimensions: 1.75"L x 5.0"D x 19"W



Part No.	Product No.	Amps/Recept	Plug Type	Breaker	Price
350166CK	EPS1620	20/6	5-20P standard	No	\$95.25
350169CK	EPS1620T	20/6	L5-20P twistlock	No	107.25
350172CK	EPS20RM	20/6	5-20P standard	Yes	99.25
350175CK	EPS20RMS	20/6	5-20P standard	Yes	135.25
350178CK	EPS20RMT	20/6	L5-20P twistlock	Yes	111.25
350181CK	EPS15RXS	15/10	5-20P standard	Yes	130.25
350184CK	EPS15RMS	15/6	5-20P standard	Yes	94.25
350187CK	EPS15RDS	15/8	5-20P standard	Yes	141.25

Sliding and Fixed Shelves*

4-Point Mounting

- 19" rack mountable • Vented



Fixed Shelves

Part No.	Product No.	Capacity	Depth	Price
350097CK	ES1919	Med. duty, 100 lbs.	19.25"	\$44.25
350100CK	ES1924	Med. duty, 100 lbs.	24.00"	48.25
350103CK	ES1928	Med. duty, 100 lbs.	28.00"	53.25
350106CK	HDES1919	Heavy duty, 400 lbs.	19.25"	81.25
350109CK	HDES1924	Heavy duty, 400 lbs.	24.00"	103.25
350112CK	HDES1928	Heavy duty, 400 lbs.	28.00"	116.25

Roll-Out Shelves

350115CK	SS1919	Med. duty, 75 lbs.	19.25"	\$116.25
350118CK	SS1924	Med. duty, 75 lbs.	24.00"	129.25
350121CK	SS1928	Medium duty, 75 lbs.	28.00"	154.25
350124CK	HDSS1919	Heavy duty, 150 lbs.	19.25"	129.25
350127CK	HDSS1924	Heavy duty, 150 lbs.	24.00"	141.25
350130CK	HDSS1928	Heavy duty, 150 lbs.	28.00"	169.25

Rack Mountable Exhaust Fan

Part No.	Product No.	Voltage	CFM	Size	Price
350211CK	WCF110	115V	110	6.77"Dia x 1.5"D	\$102.89

Floor Attachments and Casters*



Part No.	Product No.	Description	Price
350067CK	ANCHORRT	Anchor kit, set of 4, black	\$38.35 32.25
350070CK	ANTIPIKT	Anti-tip plate, black	\$44.09 36.25
350073CK	CST1	Swivel caster, black	\$13.65 12.25
350076CK	CST1KT	Swivel caster kit, set of 4, black	\$52.49 43.25

Swing Out™ Rack*

For Mini-Max Wall Mount Enclosures

- Overall height: 18" • Ext. width: 20.75" • Black

Includes: Integrated strain relief, cable management, quick release hinges, & exclusive 3" deep rack style rails tapped 12-24 on the front and rear

Part No.	Product No.	Rack Units	Height	Price
350223CK	SO2118	12U	23.92"	\$180.25 147.25
350226CK	SO3518	20U	37.92"	\$499.75 162.25
350229CK	SO4318	25U	46.67"	\$643.89 174.25

Wall Mount Patch Panel Brackets*

When minimal space is required, APW's heavy-duty 14 gauge steel wall mount patch panel brackets are a great alternative to full size racks.



Lower \$\$\$

- Available in 4 heights (1U, 2U, 3U, 4U), 1 width (19.0"), and 4 depths (4", 6", 8", and 12")
- Universal inserts provide the option to use either 10-32 or 12-24 mounting screws

Part No.	Product No.	External Height	Ext./Overall Depth	1	5
350232CK	WPB190106M	1.75", 1U	6"	\$16.25	\$15.25
350235CK	WPB190304M	3.50", 2U	4"	20.25	19.25
350238CK	WPB190306M	3.50", 2U	6"	21.25	20.25
350241CK	WPB190308M	3.50", 2U	8"	21.25	20.25
350244CK	WPB190312M	3.50", 2U	12"	22.25	21.25
350247CK	WPB190504M	5.25", 3U	4"	22.25	21.25
350250CK	WPB190506M	5.25", 3U	6"	23.25	22.25
350253CK	WPB190508M	5.25", 3U	8"	23.25	22.25
350256CK	WPB190512M	5.25", 3U	12"	25.25	24.25
350259CK	WPB190704M	7.00", 4U	4"	25.25	23.25
350262CK	WPB190706M	7.00", 4U	6"	25.25	24.25
350265CK	WPB190708M	7.00", 4U	8"	26.25	24.25
350268CK	WPB190712M	7.00", 4U	12"	28.25	26.25

Modular Networking Frames*

These racks are ideal for mounting electric test equipment, patch panels, Datacom and telecom equipment, and other cabling and rack-mount peripherals.

- Heavy-duty aluminum extruded upright channels, and top & base angles are packaged in an easily assembled unit
- 12-24 tapped 19" EIA mounting holes
- Overall width: 20.18" • UL listed
- Offered in 47" and 84" heights only
- Overall height: 350190CK: 47.25"; 350193CK: 84"



Part No.	Product No.	Vertical Opening	Rack Units	1	5
350190CK	MNFT1942DM	42.00"	24U	\$112.25	\$107.25
350193CK	MNFT1978DM	78.75"	45U	140.25	133.25

Universal Wall Mounting Rail Kits*

For Mini-Max Wall Mount Enclosures

- Come in pairs • Color: black

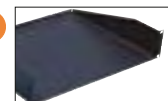
Part No.	Product No.	VPS	Rack Units	1	5
350214CK	WCRK21M	21.0"	12U	\$31.25	\$29.25
350217CK	WCRK35M	35.0"	20U	37.25	35.25
350220CK	WCRK45M	45.5"	26U	46.25	43.25

Cantilevered Shelves*

Front mount only

Lower \$\$\$

- 19" rack mountable
- 50 lb. capacity
- PS: 3.50" • 2U rack unit



Part No.	Product No.	Type	Depth	1	5
350079CK	CS1912S	Solid	12.5"	\$35.25	\$33.25
350082CK	CS1914S	Solid	14.5"	40.25	38.25
350085CK	CS1919S	Solid	19.0"	47.25	45.25
350088CK	CS1912V	Vented	12.5"	44.25	42.25
350091CK	CS1914V	Vented	14.4"	50.25	48.25
350094CK	CS1919V	Vented	19.0"	54.25	51.25

* To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco offers a special shipping rate for all APW products that's equal to 10% of the total APW product sales price.

For more info, visit www.Jameco.com/Prod/APW

APW — What You Need to Know



APW offers complete configurable rack-mount enclosure solutions. From full-size enclosed cabinets to wall-mount devices, you'll find a size matched to your needs. And their full line of sliding and fixed shelves, power strips, casters and more will outfit your cabinet for maximum organization.

APW specializes in electrical and mechanical design, precision sheet metal fabrication and assembly, electrical, mechanical and system integration, and thermal management solutions. Complemented with their production validation testing and agency compliance, you'll be assured of a quality component in your enterprise application.

And as an added bonus, we just lowered our prices! So if you're looking for the best quality in enterprise-ready rack mount components, be sure to buy them from the low price leader – Jameco!

CAT 5 Patch Cords

see page 107.



Keyboards

see page 245.



Motherboards

see page 236.



Surge Protectors

see page 248.



19" Rack Mount Enclosures

Perfect for equipment setup in home, studio or laboratory.

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom, sides durable 0.035" steel
- All enclosures have handles except P/N 132812CK



Includes: Mounting screws

Part No.	Dimensions (In.)			Weight (lbs.)	Pricing	
	H1	H2	D		1	10
132812CK	1.73	1.25	9.75	6.2	\$39.95	\$35.99
132821CK	3.46	3.00	9.75	7.9	47.95	43.49
132839CK	3.46	2.88	11.75	9.1	53.95	48.59
132847CK	5.22	4.75	11.75	10.6	63.95	55.99
132855CK	5.22	4.75	13.50	11.8	73.95	66.95
132863CK	8.56	8.00	13.50	15.4	94.95	84.95

19" Rack Mount CAT 5 Patch Panels

Our CAT 5 patch panels feature 110D punch blocks that are compatible with KRONE or 110D tool. UL and CUL listed and certified, CAT 5 certified and can be used with T568 A/B installations. Blocks are color coded for T568 color-coding, and easy wire management.



Part No.	Description	1	10
208768CK	12-port patch panel	\$28.99	\$27.55
208784CK	24-port patch panel	42.75	39.95

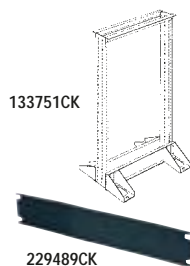
Relay Rack & Rack Panels

Rack:

- Black powder coat finish
- 10-32 threaded holes
- Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base): 19.8"W x 15.3"D x 84"H
- Dimensional weight: 70 lbs.

19" Wide Panel:

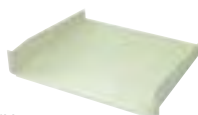
- 10-gauge black steel
- Rack screw:**
- 10/32 screw; 5/8" phillips head (50 ea.)



Part No.	Description	Height	1	10
133751CK	Relay rack	84"	\$159.95	\$147.00
229489CK	Rack panel (2U)	3.50"	10.95	10.35
229500CK	Rack panel (4U)	7.00"	14.55	13.95
229446CK	Rack screw (50 ea.)	—	8.25	7.45

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H



Part No.	Description	1	10
149500CK	Cabinet mount plate	\$39.95	\$35.95

Visit Our Website at www.Jameco.com

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Size: 19"W x 13"D x 1.75"H
- Weight: 18 lbs.

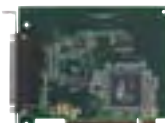


Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644CK	Rack mount KB drawer	\$249.99	\$234.99

Digital I/O Board TTL Level PCI Bus

- Output: 2.5mA @ 0.45V sink, 2.5mA @ 2.4V source
- 24-bit digital I/O
- Three 8-bit ports



Includes: InstaCal: installation & test utilities software

Part No.	Product No.	1	10
197827CK	PCI-DIO24	\$88.95	\$85.95

PCI GPIB IEEE-488.2 Board

PCI Bus

- 1 MB/s transfer rate
- 1024 word FIFO buffer
- 7 interrupt lines, shared interrupt capability
- IEEE 488.2 standard interface
- Complete talker/listener/controller
- Transparent interrupt enabling/disabling



Part No.	Cross Ref. No.	1	10
177121CK	PCI-GPIB-1M	\$398.95	\$358.95
73154CK	IEEE-488 1 meter cable	36.49	32.79
115781CK	IEEE-488 2 meter cable	37.95	34.19
115801CK	IEEE-488 4 meter cable	38.95	36.19

Complete Embedded Ethernet and Internet Book

Lakeview Research Learn about networking with embedded systems. Topics include networking basics, hardware options in building a network, using internet protocol in local and Internet communications. (482 pages, 2003)

• Size: 7.0" x 9.0" • Weight: 1.7 lbs.



Part No.	Description	Price
236945CK	Ethernet and Internet Book	\$44.95

Server Chassis



Intel® Server Chassis

Designed and validated for easy, cost-effective integration. A full line-up of pedestal and rack-optimized chassis are available to meet your customers' diverse needs.



Additional Server Chassis available from SuperMicro, Evercase and Wintec

Also available Intel Slim Line Drives

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Computer Case Offering at www.Jameco.com/Prod/ServerChassis

ATI Radeon® Graphics Cards

X300

Delivers enhanced visual quality and performance for today's and tomorrow's graphics-intensive digital photo and video applications web-surfing and gaming.

X600

Gives you the ability to send and receive data simultaneously at twice the speed of current AGP 8X solutions.

7000

Delivers workstation-level 2D & consumer-level 3D graphics performance for today's demanding applications.

9550

Delivers an exceptional visual experience for the value-minded gamer and PC enthusiast.

9600

Delivers maximum programmability and entertainment value to the most devoted gamer and casual enthusiast alike.

9800

One of the fastest & most visually-advanced 3D graphics performers, supporting AGP design specifications.

X700

Brings a richer visual experience to 3D gaming, watching movies and streaming video, Internet browsing, viewing and processing digital photos, or home office applications.

X800

Graphics technology set a new standard in graphics performance and visual realism.

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See Our Complete ATI Graphics Card Offering at www.Jameco.com/Prod/ATIGraphics

Graphics Cards

TV Tuner Cards

Allow broadcast TV viewing, stereo FM radio, live video display and video communication on a PC with the finest quality and optimal performance.

Graphics Cards

Revolutionary design that delivers best-in-class performance on today's hottest games & applications.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Graphics Card Offering at www.Jameco.com/Prod/GraphicsCards

Multimedia Speakers

- Powerful speakers enhance your gaming experience
- Unique techno lighting adds awesome visual effects

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See Our Complete Speaker Offering at www.Jameco.com/Prod/MMSpeakers

Flat Panel Speaker System

- Built-in amplifier
- Low distortion
- Magnetically shielded
- Designed for multimedia use
- Ultra thin satellite speaker and 3" subwoofer cone type speaker
- Frequency response: 80Hz-16kHz
- Power output: speakers - 1W +1W (RMS) subwoofer - 5W (RMS)
- Front access LED, power, and volume controls
- Size: satellite - 5"W x 7.5"H x 2.5"D subwoofer - 5.75"W x 5.5"H x 6.6"D

Includes: Power adapter

Part No.	Description	1	10
382740CK	Flat panel speaker	\$18.89	\$17.49



Dragon 180-Watt Multimedia Speakers

- 2-Channel stereo amplifier
- Magnetically shielded
- Two 3" 4Ω full-range speakers
- Frequency response: 100Hz to 20kHz
- Front panel control for volume, power, 3.5mm mini stereo jack
- Size: 7.0"H x 3.0"W x 5.3"D • Weight: 2.0 lbs.

Power requirements: 2-prong 110VAC input

Part No.	Description	1	10	25
277229CK	180W speakers	\$9.99	\$8.99	\$8.09

480-Watt Multimedia Speakers

- 2 magnetically shielded speakers
- 2-channel stereo amplifier
- Push button type power switch with LED indicator
- Knob controls for volume, bass & treble
- Input voltage: 120VAC
- Size: 5.5"W x 7.0"D x 9.1"H
- Weight: 5.3 lbs.

Part No.	Description	1	10
196066CK	480W speakers	\$39.95	\$35.95

PC Speakers

Perfect for desktop PCs with limited amount of space. Compatible with any desktop PC.

- 3.5mm stereo male plug
- Size: 4.7"H x 3.0"W x 4.0"D

Part No.	Cross Ref. No.	1	5	10
311079CK	5065-5746 .. \$15.99	\$13.59	\$12.23	\$11.00

Commercial Customers



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1-800-831-4242

Speakers, PA's and Megaphones



The solution for your indoor and outdoor audio needs, mobile or fixed.

Commercial Audio

- All-in-one units with woofer and transformer

Indoor and Outdoor Speakers

- Two-way configurations
- Frequency response: 55Hz-20kHz

In-Wall and Ceiling Speakers

- EZ tabs for mounting

Megaphones

- Range: 500-800 feet
- Battery powered

PA Systems

- Weatherproof
- Impedance: 8Ω

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Speco Speaker Offering at www.Jameco.com/Prod/SpecoSpeakers

Industrial Gooseneck Microphone

- Dynamic
- Unidirectional
- On-Off switch on MIC head
- Flexible gooseneck
- 80Hz-16kHz
- 500Ω impedance
- Sensitivity: -54dB±3dB
- XLR 3-pin female connection

Part No.	Description	1	5
540701CK	Microphone ♦	\$34.79	\$31.29

♦ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Push-to-Talk Hand-Held Microphone

- 5 wire
- 500Ω impedance
- For CB & professional communications
- Push to talk
- Unbalanced (TS) plug

Part No.	Description	1	5
540613CK	Microphone ♦	\$12.29	\$11.07

♦ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Hands-Free Condenser Microphone

- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H
- One-year warranty

Part No.	Description	1	10	50
135247CK	Microphone ⊕	\$4.49	\$3.99	\$3.65

Hands-Free Condenser Microphone

- Clip on microphone
- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.7"L x 1.3"W x 0.9"H

Part No.	Description	1	10	100
319759CK	Microphone	\$3.89	\$3.31	\$2.48

E-Mail Desktop Microphone

Add your voice to e-mail messages, with the touch of a button!

This revolutionary desktop device will change the way you use e-mail! Simply press a button and speak into the omnidirectional condenser mic, and the technology does the rest. Included software facilitates file-management, and an optional add-on will even make an MP3 file from your words!



Part No.	Description	Price
315070CK	E-mail desktop microphone	\$41.95

Digital USB Voice Recorder

Pocket "secretary" captures all your great ideas.

Once you begin to use this sleek, feature & accessory-packed tapeless recorder, you'll wonder how you ever got along without it. Record up to 396 addressable messages totaling 9 hours (SP) or 18 hours (LP). They can be meetings, phone conversations, or audio from external devices, all in flawless digital clarity. USB connectivity quickly downloads your recordings to your PC. Included accessories: earphone, external (meeting) microphone, telephone adapter, audio cable, PC software, USB cable, and hand strap.



Includes all the accessories needed!

Part No.	Description	Price
237198CK	USB voice recorder, 9-18hrs	\$108.95

AverKey Pro PC-to-TV Converter Box

- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs.
- Two-year warranty



System requirements: VGA-based PC, DOS 3.0 or higher, 640KB RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	1	10
167193CK	Video signal pro	\$89.95	\$81.65

10" B&W Security Monitor w/ Audio

- EIA format
- 9" viewable screen
- Resolution: 700 line
- Push down front panel for volume and power switch
- BNC jacks for audio/video input
- Input voltage: 120VAC @ 60Hz (2-prong 5' cable)
- Size: 9.3"W x 12"D x 9.1"H



• Weight: 15 lbs.

Includes: Manual

Part No.	Description	1	10
253067CK	10" B/W monitor	\$109.05	\$89.95

5.6" Color TFT Monitor

NTSC Format

- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Size: 6.1"W x 1.2"D x 4.8"H



• Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702CK	5.6" TFT color monitor	\$279.95	\$259.95

4" TFT LCD Monitor

NTSC Format

- TFT color LCD
- Resolution 234 x 383dpi
- Backlight: cold cathode fluorescent lamp
- Power source: 12VDC @ 400mA
- 5" long lead wire with 4-position Molex-type power connector
- Tint color and brightness adjustable
- Size: 4.1"L x 3.3"W x 0.7"H (display)
- Size: 4.7"L x 3.3"W x 1.3"H (unit)
- Weight: 0.7 lbs.



Part No.	Description	1	10
172742CK	4" color LCD monitor	\$159.95	\$149.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 309.

ezVID Serial Video Module

The ezVID Serial Video Module gives microcontrollers the ability to generate text and graphic images on monitors, televisions, and similar-type equipment that accept composite NTSC video signals. This is a nice alternative to applications where you don't want to use LEDs and LCDs. The ezVID provides for professional applications such as text messaging, diagnostics and status indication, but is also useful to the enthusiast user for applications in simple video games and graphics. The simple ezVID serial commands allow placement of any built-in or user defined character anywhere on the screen in any one of fourteen colors. An on-board controller and special video chip designed by Multilabs allows simple color video generation with only two asynchronous serial communication lines. The ezVID is compatible with most microcontrollers, including the BASIC Stamp.

- 9600 baud TTL level serial interface
- True bitmap display with no character cells
- 63 built-in standard characters
- Standard composite NTSC non-interlaced video output

- Screen resolution of 188 by 254
- 14 different colors available
- 256 user-definable characters
- Easy to use SIP package only measuring 2" by 2"



Part No.	Description	1	10
355856CK	Serial video module	\$59.95	\$55.95

XBOB-NC Video Text Module

XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format.

The command set is nearly identical to that of our popular BOB-3 module (see below), and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- Higher display density; 40x17 characters (680 max.)
- 254 ROM character patterns plus 63 user-definable RAM characters
- Character size control
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Faster & more reliable host communication
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control



Part No.	Description	1	10
283768CK	XBOB video text module	\$189.95	\$179.99
237243CK	9VDC power supply	3.79	3.45
283776CK	Serial cable	9.95	8.95

BOB-3 Video Text Module



BOB-3 is Decade's third-generation low-cost video text overlay module. BOB-3 lets your microcontroller or PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable characters, BOB-3 supports pseudo-graphics and multiple languages. BOB-3 generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control BOB-3 through a fast RS-232 style data link, much like a simple serial printer. BOB-3 is compatible with most microcontroller chips and modules, including the BASIC Stamp.

- Higher display density; 40x17 characters (680 max.)
- Faster & more reliable host communication
- Software-controlled digital outputs (6)
- Improved automatic video mode control
- Stand-alone operation, for simple source ID or fixed
- Character size control reticle applications
- 254 ROM character patterns plus 63 user-definable RAM characters
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)

Part No.	Description	1	10
283733CK	BOB-3 video text module	\$99.95	\$94.95

www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily!

DigiVue™ Complete Digital Security Video Recording System

Kit includes a PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software with drivers, four 50' video/power cables and 4 power supplies for the camera.



EDV-XV425 Video Capture Card:

- 60 fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-channel video and 1-channel audio
- Supports real time WAN/LAN and internet monitoring

EC-624 Outdoor Color Day/Night Camera:

- 1/4" CCD imaging chip
- 30 feet IR range
- 0.1 lux sensitivity
- Built-in electronic iris control
- 420 TV line resolution
- 6mm lens with F2.0

ECMD-01 Micro Dome Color Camera:

- CMOS imaging chip
- Clear dome
- 380 TV line resolution

Part No.	Product No.	1	10
639584CK	EDV-XV425 kit	\$449.99	\$405.00

VISEC Home Office Security System

Turns your PC into a powerful, global-wide surveillance system in 5 minutes or less.

- Watch live or recorded video from anywhere in the world via the Internet
- Record months of video at a time
- Record when motion is detected, incrementally or continuously
- Be alerted when intruder enters with a picture to your cell phone, PDA or email address
- Supports multiple cameras including: webcams, spycams, wireless and IP based network cameras



Minimum system requirements: Windows® 95/ 98/ ME/ NT/ 2000/XP

Part No.	Description	1	10
404531CK	Security system	\$150.99	\$139.00

Black and White CCD Camera with 6" Monitor

Camera: EIA Format

- 512(H) x 492(V)
- 1/3" CCD image sensor
- 420 TV lines
- 6 IR LED light for view in the dark applications
- Min. illumination: 0 lux with LED; 0.1 lux without LED
- Signal & noise ratio: >48dB
- Built-in audio function



Monitor: EIA Format

- 6" Monitor with auto switching audio/video input; auto switching time selectable (2 to 20 seconds auto cycling)
- 2-channel audio/video input, 1-channel audio/video synchronous output
- Contrast, brightness and V frequency adjustment at the back of the monitor
- Auto switching time selection, volume adjustment button on front panel
- Time (seconds) scale display in front panel
- Size: 6.6"W x 5.5"H x 7.5"D

Includes: camera with bracket, cable 13.5VDC @ 1.2A power supply

Part No.	Description	1	10
639613CK	Camera with monitor	\$122.55	\$110.30

USB Color Camera with Built-In Illuminator

Just connect this camera into your computer's USB port, install the included software and you are ready to be seen on the web.

- 1/3" CMOS digital sensor
- 6mm lens
- 350k pixels
- Still image: 640 x 480
- Min. lux: 0 (w/ IR illuminator)
- Slide bar hue, contrast and brightness control
- Auto or manual exposure, gain and white balance adjustments
- Frame rate: 15fps @ 640 x 480 res.; 3fps @ 160 x 120 to 352 x 288 res.



Includes: CD ROM software and drivers

Part No.	Product No.	1	10
639576CK	EC-PC-CAM	\$47.45	\$42.71

DigiVue™ Digital Surveillance System

This high-speed PCI video capture card comes with 4 video inputs, 1 audio input that provide & super digital images from multiple cameras and remote surveillance. Add up to 4 cards per system controlling up to 16 cameras.



- Input signal: 4 video, 1 audio channel
- Watermark time and date stamp
- Display and record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/ continuous/ schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/ VDRAM/ CD-RW/ DAT/ MO/ ZIP/ RAID
- Supports real time WAN/ LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No.	1	10
639568CK	EDV-XV425	\$94.95	\$85.46

High Resolution Security Monitors

Speco solutions for your security monitoring needs. Both have metal cabinets, front controls, and are UL listed.

541000CK:

- 12" B/W monitor
- 800 line resolution
- Video input/output looping; no audio



541000CK

541018CK:

- 17" color monitor
- 520 line NTSC/625 line PAL resolution
- Auto detect system
- 2 BNC input/output
- 1 RCA input/output



541018CK

Part No.	Product No.	1	5
541000CK	VM-1201B	\$141.55	\$127.39
541018CK	VM-1705C	\$48.09	\$493.26

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

14" Color CCTV Monitor

- NTSC/PAL switchable
- Operating frequency: EIA - 15750Hz/60Hz; CCIR: 15625Hz/60Hz
- Input voltage: 100 - 240VAC @ 50/60Hz
- Input signal: CVBS - 1Vp-p (typical); Y/C separation - 1Vp-p
- Input impedance: hi/lo impedance (switchable)
- Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in / YC out)
- Audio in/out channel: 2 inputs / 2 outputs
- Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV / YC) switches
- CRT dot pitch: 0.63mm
- Power consumption: 70W
- Resolution: >420 lines
- Size: 13.8"W x 14.4"D x 12.6"H
- Weight: 31.9 lbs.
- CRT: 14" diagonal



Part No.	Mfr. Part No.	1	10
320119CK	15-MC14A	\$277.39	\$249.65

Mini Enclosed Color NTSC Camera

- 1/4" CCD Sensor
- 350 horizontal TV lines
- 1 lux/F2.0
- Electronic shutter: up to 1/120,000 sec.
- NTSC system w/ 512(H) x 492(V)
- Scanning system: 2:1 interlace
- Signal to noise ratio: 48dB
- Lens: 3.7mm/F2.0
- Video output: 1Vp-p, 75Ω
- Size: (enclosure) 1.3"L x 1.1"W x 0.9"D
- Weight: 0.3 lbs.
- Two-year warranty



Requires: 9VDC - 12VDC @ 500mA power supply (recommend P/N 100853CK, pg 219)

Includes: BNC/Power cable and mounting hardware

Part No.	Description	1	10
215423CK	Mini enclosed camera	\$129.95	\$119.95

Black and White Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420TV lines
- Min. illumination: 0.1 lux
- Horizontal freq.: 15.734kHz
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- Clock freq.: 19.0699MHz
- Scanning system: 2:1 interlace
- Electronic shutter: 1/100,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight compensation and auto-gain control selectable
- Power requirements: 12VDC @ 100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H
- Weight: 0.8 lbs.
- S/N ratio: 48dB



Part No.	Description	1	10
245041CK	Black & white CCD camera	\$99.95	\$89.95

Our goal is to provide you with what you want. Please send requests to NewProducts@Jameco.com.

Night Vision Infrared Lighted Camera

EIA Format

- Adjustable camera lens
- Auto iris controlled
- Built-in voltage regulator
- Horizontal synch. frequency: 15.734kHz
- 6 infrared LEDs for night vision
- Scanning system: 2:1 interlace
- Video output: 1Vp-p; 75Ω
- Audio output: 2Vp-p max.
- FOV: 92°
- Matching conn.: RG59 BNC (P/N 71271CK, pg 145)
- Size: 2.9"L x 2.0"W x 2.0"H
- Weight: 1.2 lbs.
- Lens: 3.6mm
- 380 TV line resolution
- 0.1 lux with F2.0

Includes: 12VDC @ 500mA power supply and wall mounting bracket

Part No.	Description	1	10
150404CK	Infrared lighted camera	\$119.95	\$89.96



Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- S/N ratio: 52dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable
- Auto-tracing white balance
- 2X digital zoom
- Power requirements: 12VDC @ 150mA
- Size: 5.0"L x 2.0"W x 2.0"H
- Weight: 0.8 lbs.

Part No.	Description	1	10
395461CK	Color camera	\$103.35	\$93.89



Color Interline Camera

Water Resistant with Adjustable Mounting Bracket

- EIA format
- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω
- S/N ratio: 40dB
- FOV: 530
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply
- Size: 2.6"L x 0.9"Dia.
- 6mm lens/F2.0

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017CK	Color camera	\$99.95	\$89.95



We're committed to providing you with the best service in the industry.

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system with 510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB
- 330 TV lines
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993CK, pg 219)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436CK	Enclosed color camera	\$179.95	\$161.95



Waterproof Tube-Style IR Color Camera

NTSC Format

- For indoor and outdoor use
- 1/2" CCD image sensor
- 512(H) x 492(V)
- 420 horizontal line resolution
- 59.94Hz vertical frequency
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- Internal synchronization
- S/N ratio: >48dB
- Up to 1/100,00 sec. electronic shutter
- Auto white balance and gain control
- 880 ~ 940nm infrared wavelength
- Video output: 1Vp-p, 75Ω
- 4.3mm lens with F1.8
- Size: 2.1"Dia x 3.8"L

Requires: 12VDC @ 160mA power supply (recommend P/N 162996CK, pg 218)

Includes: Mounting hardware

Part No.	Mfr. Part No.	1	10
319901CK	15-CM25WM	\$189.05	\$184.29



2.4GHz Wireless Color Dome Camera

NTSC Format

- 1/2" CCD image sensor
- 512(H) x 492(V)
- 380 horizontal line resolution
- 1 lux with F2.0
- Scanning system: 2:1 interlace
- S/N ratio: 48dB
- 60Hz vertical frequency
- Up to 1/120,000 second electronic shutter
- 3.6mm lens with F2.0
- FOV: 92°
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 300mA
- Size: 3.4"Dia x 2.3"H

Includes: 12VDC @ 300mA power supply and mounting hardware

Part No.	Mfr. Part No.	1	10
319855CK	15-2400CTD	\$242.25	\$195.25
		\$195.25	\$183.15



SALE

Mini Dome Color Camera

NTSC Format

- Perfect for ceilings
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 330 horizontal line res.
- S/N ratio: 46dB
- 15.73kHz horizontal synch. frequency
- Scanning system: 2:1 interlace
- Up to 1/96,000 second electronic shutter
- 3.6mm lens with F2.0
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 160mA (recommend P/N 162996CK, pg 218)
- 2 lux/F2.0
- FOV: 92°
- Size: 3.5"Dia. x 2.3"H

Includes: Mounting hardware

Part No.	Description	1	10
171037CK	Mini-dome camera	\$139.95	\$104.96



Quantity SAVE

Outdoor Cameras

Speco Technologies outdoor security cameras offer night and day monitoring in weatherproof configurations.

- Bullet-style outdoor weatherproof cameras
- Color and black/white
- Resolution: 350-480 lines
- Lenses: 2.9mm-9mm
- IR model ranges: 25-75'



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Speco Outdoor Camera Offering at
www.Jameco.com/Prod/SpecoOutdoor

Indoor Cameras

Speco Technologies indoor security cameras offer many unobtrusive configurations.

- Indoor camera styles include: dome, ceiling/wall flush mounted, zoom with optional control, discrete (in wall, PIR housing, or clock)
- Resolution: 350-420 lines
- Zoom: 480 lines
- Lenses: 3.6-3.7;
- zoom model: 3.6-79.2
- CCD formats: 1/4" or 1/3"



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Speco Indoor Camera Offering at
www.Jameco.com/Prod/SpecoIndoor

2.4GHz Wireless Weatherproof Color Camera with PIR

NTSC format

- For indoor and outdoor use
- 1/4" CCD image sensor
- 380 horizontal line resolution
- 3 lux with F2.0; 0.5lux with F1.2
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max
- Transmitter output power: 10mW
- Output impedance: 50Ω typical
- Pulse counter w/ automatic reset
- Size: 4.2"W x 5.0"D x 4.8"H



SALE

Includes: 12VDC @ 500mA power supply and mounting hardware

Part No.	Mfr. Part No.	1	10
319871CK	15-2400CTH	\$236.55	\$212.89 \$191.60

Mini Wireless Color Camera

Now you can place a color video camera with sound almost anywhere! This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150-foot (unobstructed) range, light weight, and 9-volt battery power, you can now add video capability to a world of hobby applications.



Part No.	Description	1	10
249025CK	Wireless color camera	\$89.95	\$80.95

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
 - Impedance: 50Ω
 - Output power: 1 watt
 - Video input: 1Vp-p
 - Audio input: 2Vp-p
 - Size: 2.4"L x 1.9"W x 1.4"H
- Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

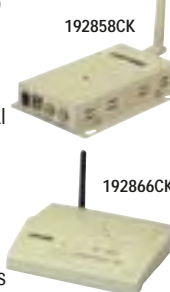


Part No.	Description	1	10
289852CK	Wireless audio/video tran.	\$199.95	\$149.96
179864CK	2.4GHz SMA RF antenna	13.65	10.24
179872CK	Wireless extension cable	10.99	9.89

4-Channel 2.4GHz Wireless Audio/Video Receiver and 10mW Transmitter

Make your camera wireless up to 492 feet!

- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- RCA jacks for audio and video connectors



Receiver:

- Non-volatile memory protects system set-up from power loss
 - Video loss detection and freeze channel
 - Mute and alarm trigger port
 - Size: (transmitter) 4.5"L x 3.2"W x 1.0"H
 - Size: (receiver) 6.5"L x 5.5"W x 1.4"H
- Includes: RCA cable, 12VDC@500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858CK	4-channel transmitter	\$94.45	\$85.05
192866CK	4-channel receiver	124.95	112.95

Cable Assembly (75Ω RG59/U BNC - BNC)

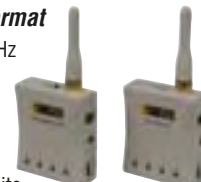
Part No.	Length	1	10	50	100
262730CK	25'	\$9.95	\$8.95	\$8.05	\$7.25
262748CK	50'	17.05	16.25	15.45	14.69
262764CK	100'	30.39	28.89	27.45	25.99

For additional BNC Cables see pages 114 & 145.

4-Channel 2.4GHz Wireless Audio/Video Transmitter System

CCIR, NTSC, PAL, EIA Format

- ISM Band: 2.413 - 2.470GHz
- Four selectable transmitter and receiver channels
- Antenna mode: dipole (omnidirectional)
- Impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- Weight: 3.2 lbs.



Includes: Two 9VDC @ 300mA with 1.3mm x 3.5mm center positive plug, and two 2.5mm male to RCA patch cables

Part No.	Description	1	10
265308CK	4-ch. wireless system	\$149.95	\$134.95

4-Channel Digital Video Multiplex Recorder

SALE

Record and monitor your security surveillance system with this 4-channel digital video multiplex recorder. Connect 4 cameras to this recorder, attach a monitor for viewing features, and connect your PC through the RS-232 interface to operate the recorder. Attach a RJ-45 cable for network connection, and install 1 or 2 hard disk drives to the recorder.



- TCP/IP with client software web interface
- Conventional VCR back up, remote back-up using TCP/IP, or internal back-up
- Plug and play
- RS-232C, RS-485, 4-alarm input, 1 relay output
- Pan, tilt, zoom, and focus camera control

Video I/F

- 4-channel input, 1Vp-p, 75Ω unbalanced BNC type connectors
- 480 TV lines
- 16.7 million colors
- S/N ratio: >48dB
- 4 output (BNC/SVHS/VGA type)

Monitoring Method

- Split screen (full/quad display), zoom, PIP, sequence
- Screen quality: full screen - 720(H) x 480(V) active pixels; 1/4 screen - 360(H) x 240(V) active pixels

Recording/Playback Function

- 30 frames/sec. maximum
- JPEG compressed picture
- Quad screen recording or field switcher method
- Real time/time lapse/event record mode
- Search/still track play

Includes: Remote control, 12VDC @ 4.16A power supply, manual and software in CD-ROM

Part No.	Mfr. Part No.	1	10
320127CK	15-DVR04SAE-LAN	\$664.05	\$597.65 \$549.85

Single Camera Digital Video Recorder



NTSC/PAL inputs from one camera. Records up to 20 pictures/second at a resolution of 720 x 240 or 360 x 240. Search by date, time, camera, and alarm.

- 40GB HDD using MJPEG compression
- NTSC real-time display and motion (activity) detection
- Multiple recording modes
- Alarm input and output
- 12VDC power supply included

Part No.	Product No	1	5
540648CK	DVR-X1	\$521.65	\$469.49

◆ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Black & White Low-Light Camera

Sony Chipset

- Signal to noise ratio: >48dB
- Requires 12V power source (not included)
- 6" wires with 4-pin Molex-type keyed connector
- EIA system 537(H) x 505(V)
- Temp. tolerance: -5°C to 40°C
- Lens: 3.6mm
- Composite output with 420 line resolution
- Shutter speed: 1/60 - 1/1000
- FOV: 92.6°
- Video output: 1.0Vpp composite video/75Ω
- Size: 1.3"L x 1.3"W x 1.0"H
- One-year warranty



Lower \$\$\$

Part No.	Description	1	10	25
150931CK	Camera board	\$69.15	\$62.23	\$56.00
159071CK	8mm lens 38.6"	16.15	15.39	11.54

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Scanning system: 2:1 interlace
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996CK, pg 218)
- Video output: 1Vp-p, composite video 75Ω
- Size: 1.3"L x 1.3"W x 1.2"H
- S/N ratio: 46dB
- Power consumption: 110mA
- FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)



Part No.	Description	1	10
171029CK	Camera board	\$44.95	\$40.45

Color CMOS Camera Board

NTSC Format

- 1/3" image sensor
- 5.0 CMOS lux
- FOV: 92°
- 3.6mm lens/F2.0
- 330 TV lines
- Low power consumption
- Automatic exposure, gain and white balance
- Size: 1.0"L x 0.9"W x 1.1"H



Part No.	Description	1	10
171011CK	Camera board	\$77.65	\$69.89

Check the performance of your wireless security systems with the ZAP checker - page 274.



Dual Page Color Quad Processor

- Signal format: NTSC/PAL color
- Display rate: 6-fps/50 fps
- No. of video input channels: 4 with loop
- Alarm input: 8
- Video inputs: 1Vp-p, 75Ω
- Video outputs selectable: 1Vp-p 75Ω (full screen or quad)
- Memory 1024 x 512
- Switching interval: 1 to 99 seconds
- Date time generator
- 7-character titles
- BNC video connectors
- Zoom definition: 2 x 2
- Size: 16.9"W x 1.8"H x 8.5"D



Part No.	Product No.	1	10
638240CK	15-QC43	\$242.25	\$218.05

SVGA Monitor Splitters

Duplicate a video signal from one source to monitors up to 210' away.

- Suitable for SVGA, VGA & multisync monitors
- 176866CK: 2-channel**
- 1 HDDB15 male connector from PC to box; 2 HDDB15 female connectors from box to monitors
- Size: 6.6"L x 3.3"W x 1.1"H
- Weight: 1.4 lbs.
- 133866CK: 4-channel**
- Slide switch for video signal gain control
- Daisy chainable
- Size: 8.8"L x 6.0"W x 1.9"H
- Weight: 3.6 lbs.



Includes: Power adapter and manual

Part No.	Description	1	10
176866CK	2-ch. monitor splitter	\$49.95	\$37.46
133866CK	4-ch. monitor splitter	\$59.95	\$1.66

Video RF Modulator w/ S-VHS Input

Designed to convert separate audio and video signals from various video components.

- RF outputs: 3 or 4 channel switch selectable
- RF output impedance: 75Ω
- Video input impedance: 75 or 1kΩ
- Audio input impedance: 13 +/-3kΩ
- TV to antenna insertion loss 50 - 806MHz: -2dB
- Video carrier output level: 69dBuV



Part No.	Mfr. Part No.	Description	Price
319062CK	203-101	Video RF modulator	\$14.95

CCTV Power/Video Extension Cables

Power and video signal in one multipurpose cable! BNC to RCA. Available in 25, 50, and 150 foot lengths.



Part No.	Product No.	1	5
540453CK	CBL-25BB	\$10.69	\$10.53
540461CK	CBL-50BB	13.35	12.70
540445CK	CBL-150BB	23.05	20.71

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B/W Quad Splitter with Motion Detection

Video/VCR input to quad picture display with real time refresh rate and sequential switching. Video motion and loss detection. Time/date/title display.



- Full compression (digitally processed)
- Freeze frame, PIP, 2 x 2 zoom in live and playback modes
- Alarm inputs, alarm output NC/NO
- Alarm history
- 9 bit / 30 MHz sampling picture
- Video input: 1Vp-p adjustable, 75Ω terminated, 4 BNC connectors
- Video output: 1Vp-p, 75Ω, switched output, 1 BNC quad output, 1 BNC
- Video format: EIA or CCIR monochrome
- NTSC video signal
- Power source: 12VDC/ 250mA
- Size: 8.2"L x 9.5"W x 2.5"H

Part No.	Product No.	1	5
540779CK	RQS-10B	\$155.85	\$140.23

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Two-Station Wired Intercom

Two-station, single-channel wired intercom. Push-to-talk and call buttons, on/off volume control, LED status indicators, and integrated solid state circuitry.



- Size: 3.25"H x 4.5"W x 1.25"D
- Includes: 9V battery and 50 foot cable

Part No.	Product No.	1	5
540437CK	BI-2SD	\$26.79	\$24.10

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Megaphones with Shoulder Straps

M10M: 10W handheld megaphone

- Range: 200 meters
- Size: 6.5"Dia. x 10.3"L
- Power supply: 4 x 1.5V size D batteries (not included)



M25SM: 25W handheld megaphone

- Range: 600 meters
- Separate microphone with lock function
- Choice between siren and speech
- Microphone sensitivity: ±36dB
- Frequency response: 500Hz to 8kHz
- Power supply: 8 x 1.5 size D batteries (not included)
- Size: 9" Dia. x 14"L



Part No.	Product No.	1	5
645431CK	M10M	\$52.85	\$50.19
645440CK	M25SM	85.45	81.19

Audio Video Selector

- Auto audio/video selector with S-VHS inputs
- Automatically redirects signal to display active signal source
- 12VDC @ 200mA power supply included



SALE

Part No.	Mfr. Part No.	Size (WxDxH)	1	10
319142CK	200-465	9.7" x 5.9" x 2.1"	\$54.95	\$49.46

Video Distribution Center

Input a composite signal from a video camera or other source and distribute to four monitors.



- One input to four output channels
- Video input level: 0.8 - 1.2Vp-p, 75Ω
- Video output level: 1Vp-p (standard), 75Ω
- Video bandwidth: 10Hz - 10MHz
- Red power on/off LED
- Size: 5.5"L x 3.0"W x 1.0"H

Includes: 12VDC power supply

Part No.	Product No.	1	5
540971CK	VID-DIST	\$64.75	\$58.24

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Full Range RF Modulator with LED Display

Convert any composite signal (CCTV camera, VCR, DVD, etc.) to TV channel.



- Digital LED display
- Digital phase lock loop tuning
- Video input RCA, output coaxial F-type
- Mode selector for UHF, CATV, HRC, or IRV
- 120 selectable channels
- Full channel memory for power outages
- Surface mount technology PC Boards
- UL listed power supply included
- Size: 3.8"L x 4.1"W x 1.5"H

Part No.	Product No.	1	5
540710CK	MOD-1001D	\$93.85	\$84.45

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Channel 3/4 RF Modulator

Converts a composite video signal to an RF signal and displays on Channels 3/4. Use to connect a video camera to TV for security surveillance.



- Inputs: RCA, audio and video
- Outputs: Coax F connector
- UL listed
- Size: 3.25"L x 4.5"W x 1.25"H

Part No.	Product No.	1	5
540761CK	RFM-1A	\$36.39	\$32.76

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Order Anytime, Day or Night!

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

SMK RF Modulator

- Output frequency: NTSC Ch. 3/4, switch selectable
- 12VDC RF modulator
- Operating voltage: 12V @ 50mA max.
- Video modulation: 1.0V p-p
- RF output impedance: 75Ω (F type connector)
- Audio FM deviation: 1.4V p-p
- PC connections: solder tab connectors
- Size: 1.7"L x 1.7"W x 0.7"H
- Manufacturer No.: WMN2144-01



SALE

Part No.	Description	1	5	10
141639CK	RF modulator	\$2.15	\$1.93	\$1.74

Audio / Video Adaptor

CAT 5 UTP

- Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable
- Support both NTSC or PAL video signals
- Built-in impedance matching device and filter for video and audio signal transmission
- Use with existing wiring and wall jacks for easy and cost effective installation
- Video transmission distance: 1000' color/2000' black/white



210471CK

Lower \$\$\$

210471CK/311124CK:

- Signal pair: video (BNC), CAT pair 1 (RJ45)
- 220880CK:
- Signal pairs: video (BNC), CAT pairs 4 (RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)

Includes: Mounting hardware

Part No.	Description	1	10
210471CK	BNC/RJ45 w/ cable	\$25.95	\$19.46
311124CK	BNC/RJ45 w/ cable	19.35	14.51
220880CK	BNC/RJ45 w/ cable	42.95	32.21

Mini Indoor Pan & Tilt Mechanism

Continuous Pan

- Automatic scanning: 0° - 355° angular travel; pan clockwise and counter-clockwise
- Manual tilt: 0° - 90°
- Pan speed: 5"/sec.
- Maximum load: 4.4 lbs.
- Power consumption: 1 watt
- Size: 2.5"Dia. x 2.4"H
- Weight: 0.4 lbs.
- Warranty: 2 years continuous use



Lower \$\$\$

Camera not included

Includes: 24V @ 150mA power supply, wall mount bracket and mounting hardware

Part No.	Description	1	10
215407CK	Mini pan/tilt	\$49.95	\$37.46

Indoor Metal Camera Enclosure

- Clear window area: 2.2"W x 1.8"H
- Maximum camera size: 7.1"L x 2.6"W x 2.4"H
- Overall size: 11.7"L x 3.1"W x 2.7"H
- Weight: 1.5 lbs.



Lower \$\$\$

Part No.	Description	1	10
310691CK	Camera housing	\$27.49	\$20.62

Outdoor Metal Camera Enclosures

- Plate glass: 3mm thick
- Outdoor use
- 170931CK: without heater
- Clear window area: 2.5"W x 2.3"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H
- Size: 16.0"L x 4.9"W x 4.9"H
- Weight: 2.8 lbs.
- 170940CK: w/ heater (keeps optics from fogging)
- Clear window area: 3.5"W x 3.1"H
- Max. camera size: 6.5"L x 3.2"W x 3.2"H
- Size: 11.0"L x 3.6"W x 3.6"H
- Weight: 6.8 lbs.



170931CK

Part No.	Description	1	10
170931CK	Camera housing	\$28.45	\$21.34
170940CK	Camera housing w/ heater	62.95	50.95

Mount your Video Camera almost anywhere

As steady as a tripod, the Window Camera Mount lets you anchor that video camera to any glass surface at any height.

Lower \$\$\$



PANAMISE

Mount your video or CCTV camera on any window or other non-porous surface, and capture what you've never been able to before. This heavy-duty metal mounting bracket attaches securely to any glass surface with a strong lever-activated 3.25" neoprene suction cup. Mount your camera onto the tripod-style screw. Adjust to any position, and you're ready to shoot hands-free. It's perfect for temporary surveillance of your business or home. For cameras up to 3 lbs.



Mounts easily to your car window

Part No.	Description	1	5
222746CK	CCTV camera window mount	\$32.49	\$29.25

Camera Mounting Bracket

- Aluminum construction (white coated)
- Maximum load: 6.5lbs.
- Overall height: 5.1"
- Base diameter: 1.8"
- 360 degree tilt swivel
- 120 degree tilt angle
- Base mounted w/ 3 screws (included)



Part No.	Description	1	10
311191CK	15-B009	\$6.65	\$6.19

Mounting Brackets for Enclosed Camera

- Material: plastic
- Base mounted w/ 3 screws
- Swivel angle: 360°
- Tilt angle: 90°
- For use w/ enclosed cameras (P/N 150404CK, pg 257)



171002CK 170982CK

Part No.	Max Load (lbs.)	Ht. (in.)	1	10
171002CK	11 lbs.	6.4	\$4.69	\$3.52
170982CK	6.6 lbs.	2.0	5.49	4.12

Heavy Duty Camera Mounting Bracket

- Steel construction (white coated)
- Maximum load: 22 lbs.
- Overall length: 11.2"
- Base size: 3.8"L x 33.3"W
- 360° swivel angle, 90° tilt angle



Lower \$\$\$

Includes: Base mounted w/ 3 screws

Part No.	Mfr. Part No.	1	10
320151CK	15-B006	\$16.65	\$12.49

Mini Alarm Siren

- Sound pressure: 108dB
- Output frequency: 3000Hz
- Rated: 2-12VDC @ 300mA
- Adjustable mounting plate
- 16" color coded connector wires, tinned
- Size: 2.8"Dia. x 2.5"L



Part No.	Description	1	10	50
148152CK	Alarm siren	\$8.95	\$7.99	\$6.35

Honeywell Security & Custom Electronics

Quicknetwork Panels Provides customizable solutions for every lifestyle.

Entry Level Panels Design for applications where space is limited.

Multimedia Cable

Connects distribution panels to multimedia wall outlets located throughout your home.

Options for Connecting Video, Entertainment Systems, Security, Telephone, Automation & Home Office

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Honeywell Offering at www.Jameco.com/Prod/Security

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages at www.Jameco.com.



ABBATRON Banana Plugs and Jacks

Insulated Banana Plugs

- Male
- Contact material: brass
- Contact plating: nickel
- Connection hardware supplied
- Threaded and non-threaded



Banana Jacks

- Threaded and non-threaded
- Insulated and noninsulated
- Female
- Contact material: brass
- Contact plating: nickel
- Connection hardware supplied



Giant Insulated Banana Jacks

- Female • 1-3/16"
- Red and black



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Abbatron Banana Connector Offering at www.Jameco.com/Prod/Banana

ABBATRON Binding Posts

Knob Type

- Spring loaded push cap tightly grips wire in side slot
- Connects with .08" phone tip plug, spade lug, 1/4" stranded banana plug, alligator clip, wires to #14 and shorting links
- Contact material: brass • Contact plating: tin



Spring Loaded

- Spring loaded push cap tightly grips wire in side slot
- Contact material: brass • Contact plating: nickel



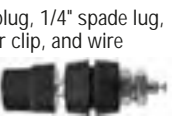
Miniature

- Connects with .08" phone tip plug, miniature banana plug, alligator clip and wires to #18
- Post thread: #4-40
- Contact material: brass
- Contact plating: gold/nickel



Insulated

- Connects with .08" phone tip plug, 1/4" spade lug, standard banana plug, alligator clip, and wire
- Post thread: #10-32
- Contact material: brass
- Contact plating: tin/gold



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Abbatron Binding Post Offering at www.Jameco.com/Prod/BindingPosts

ABBATRON Insulated Phone Tip Plugs

- Solderless • Black
- 1.8" length



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Abbatron Phone Tip Offering at www.Jameco.com/Prod/PhoneTips

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

ABBATRON Test Leads

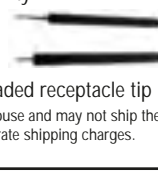
Patch Cords

- 36" • 18 AWG
- PVC insulation
- Offer reliable semi-permanent connections between instruments with a maximum of safety and reliability



Test Probes

- Solder or solderless
 - ABS material
 - 5-1/2" handle length • Threaded receptacle tip
- These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Our Abbatron Test Leads Offering at www.Jameco.com/Prod/TestLeads

ABBATRON Printed Circuit Test Jacks

- Gold finish • 1500V
- 5A current max.
- Mount in .052" holes
- Molded nylon beryllium copper spring



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Abbatron PC Jack Offering at www.Jameco.com/Prod/PCJacks

ABBATRON Solder Lugs

- 4-terminal
- Electro-tin plated steel lugs are mounted on .062" thick flame-retardant phenolic



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Abbatron Terminal Strip Offering at www.Jameco.com/Prod/Solderlugs

Scotchlok Test Clips

- Rapid easy connectors
- Hexnut for adjusting tension



- 469108CK/469116CK: Ultra miniature
- 469124CK: Threadless standard
- 469087CK: Threaded stud standard
- 469095CK: Threaded stud miniature

Part No.	Prod. No.	Description	1	10	100
469108CK	02-41	Ultra mini	\$2.75	\$2.62	\$2.49
469116CK	02-42	Ultra mini	2.95	2.80	2.65
469124CK	02-60	Threadless	2.39	2.32	2.24
469087CK	02-0	Threaded std	2.35	2.28	2.21
469095CK	02-20	Threaded mini	2.75	2.47	2.22

Pomona Banana Jacks & Plugs

- 571170CK: Banana Jack
- Contact size: 16 AWG (0.63")
- Black • Flexible tip
- 571129CK: Do-It-Yourself Banana Plug
- Accepts 18-22 AWG • Black
- Ideal for creating special patch cord length



Part No.	Prod. No.	Description	1	10	25
571170CK	3562-0	Jack	\$3.55	\$3.51	\$3.33
571129CK	122505A	Plug	3.85	3.66	3.62

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Pomona Solderless Banana Plugs



- Nickel-plated
- Set screws secure leads
- ABS insulation • 5000VDC @ 15A • 50°C max.
- Sets include 1 black and 1 red

- 159863CK
- 159855CK
- 159927CK
- 159863CK/571153CK/571161CK: w/ safety collar
- 159855CK/571137CK/571145CK: w/ set screw
- 159927CK/571250CK/571268CK: double banana plug w/ wire guide

* Prepackaged: please order in increments of 10 or 25

Part No.	Prod. No.	Description	1	10	25
159863CK	1825-02	Set	\$3.29	\$2.99	\$2.69
571153CK	1825-0	Black 10 pk.	13.05	12.75	12.35
571161CK	1825-2	Red 10 pk.	13.05	12.75	12.35
159855CK	1325-02	Set	3.29	2.99	2.69
571137CK	1325-0	Black 10 pk.	13.05	12.75	12.35
571145CK	1325-2	Red 10 pk.	13.15	12.53	12.37
159927CK	MDP-02	Set	5.95	5.65	4.95
571250CK	MDP-0	Black	2.39	2.25	2.17
571268CK	MDP-2	Red	2.39	2.26	2.17

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

JAMECO BenchPro BNC to Standard Double Banana Plugs



Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11439CK	BNC banana plug (F)	\$4.95	\$4.49	\$3.99
125225CK	BNC banana plug (M)	5.49	4.95	4.45

JAMECO BenchPro Double Banana Plugs

- Dual gold-plated female banana plugs
- Stackable



Part No.	Description	1	10	100
125209CK	Black banana conn.	\$2.65	\$2.39	\$2.15
125217CK	Red banana conn.	2.35	2.15	1.95

JAMECO BenchPro 1" Screw-Type Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut
- Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.



Requires: 0.32" mounting hole
 Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71239CK	Binding posts (2)	\$.99	\$.85	\$.69	\$.59

JAMECO BenchPro 1 3/4" Screw/Solder Binding Posts

- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06"Dia.
- Size: 1.8"L x 0.5"Dia.



Includes: One red and one black

Part No.	Description	1	10	100	1000
77690CK	Binding posts (2)	\$1.09	\$.95	\$.79	\$.69

Pomona

BNC Terminator

- Male
- 75Ω

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Description	1	10	25
571209CK	3840-75♣	\$9.89	\$9.75	\$9.32

Pomona

Terminal Adapter

- Converts terminal strip to banana jack
- Screw size: 10-32 • Black

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Description	1	10	25
571225CK	5701-0♣	\$3.29	\$3.20	\$3.10

Chassis Mount Banana Jack

- 0.158"
- Molded ABS black plastic body
- Nickel plated steel solder lug and washer

SALE

♣ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
291936CK	Black banana jack ♣	\$0.45	\$0.40	\$0.35

JAMECO BenchPro

Panel Mount Tip Jacks 1/4" - 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin • Material: brass
- Insulation: polycarbonate • 10 per package

Part No.	Cross Ref. No.	Color	1	10	100
256778CK	R1-17-BLK ♣	Black ...	\$8.59	\$8.15	\$7.75
263863CK	R1-17-RED ♣	Red	8.59	8.15	7.75

JAMECO BenchPro

Double Binding Posts - Dual Banana

- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W

Part No.	Description	1	10	100
125196CK	Screw mount bind post ♣	\$3.95	\$3.45	\$3.19

JAMECO BenchPro

Single Binding Post to BNC Male

- Binding post with captive thumb nut
- Accepts standard banana plugs
- Operating voltage: 500 V_{RMS}

See page
145 for BNC
Connectors



Part No.	Description	1	10	100
100600CK	Red binding post ♣	\$1.59	\$1.34	\$1.06
100618CK	Black binding post	1.05	.94	.86

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

JAMECO BenchPro

BNC to Double Binding Posts - Dual Banana

- Red/black design

Part No.	Description	1	10	100
125233CK	BNC-female ♣	\$4.95	\$4.49	\$4.05
99354CK	BNC-male ♣	5.29	4.76	4.28

JAMECO BenchPro

Universal Test Lead Kit

Includes: 3' black/red cables, 4.5" black/red insulated test probes, 0.8" needle probes, spade terminals, 2 sets of 4 pieces each red/black insulated alligator clips and banana plug

Part No.	Description	1	10	100
168516CK	Universal kit ♣	\$8.95	\$7.95	\$6.95

JAMECO BenchPro

Protected Banana Style Multimeter Test Probes

- Threaded/pointed test tip
- Black and red
- 18 AWG wire • 42" long
- 2 per package

Part No.	Description	1	10	25
77737CK	Protected probes ♣	\$6.49	\$5.85	\$5.25

JAMECO BenchPro

Standard Banana Style Multimeter Test Probes

- Black and red
- 18 AWG wire
- 42" long
- 2 per package

Part No.	Description	1	10	25
77745CK	Std. banana probes ♣	\$7.69	\$6.95	\$6.25

PROBE MASTER

Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"

174625CK Includes:

10 plunger type tips

212222CK Includes:

10 pieces; screw-on alligator clips, spade lugs and spring hooks

Part No.	Description	1	10	25
174625CK	Micro tip test leads	\$29.85	\$28.35	\$26.95
212222CK	Softie test leads	23.85	22.65	21.55

PROBE MASTER

Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks

Part No.	Description	1	10
212249CK	Elect. deluxe probe kit	\$65.95	\$62.99

FLUKE

Probe Light & Kit

NEW



667497CK

667518CK

Do not risk shorting out expensive electronics or risk shock in high voltage panels. With this white LED probe light, simply snap on to any test probe or leads and you will have an instant hands-free light at your fingertips.

- 120 hours of battery life
- Uses 2 3-volt watch batteries

667518CK: Probe Light kit includes L200 probe light, TL71 premium test lead set, and case

Part No.	Product No.	1	3
667497CK	L200	\$17.95	\$17.05
667518CK	L211	41.95	39.85

Pomona

Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155951CK	5519A ♣	\$12.95	\$11.69	\$10.99

Pomona

Mini BNC Test Probe Kit

- Mini BNC
- Kit

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Part No.	Description	1	5	10
571217CK	5292-48 probe kit ♣	\$31.85	\$30.19	\$29.91

Pomona

Minigrabber® Test Clip Patch Cord Kit

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends



Part No.	Prod. No.	Description	1	10
156494CK	5523 ♣	Patch cord (hook)	\$36.45	\$32.99

Pomona

11"L Test Lead Holders

- 155985CK:
 - Max cable dia.: 0.450"
- 155977CK:
 - Max cable dia.: 0.320"
- 155969CK:
 - Max cable dia.: 0.210"



155985CK

Part No.	Prod. No.	Slots	Color	1	10	25
155985CK	2708B ♣	9	Blue	\$10.25	\$9.75	\$9.45
155977CK	4408 ♣	10	Black	10.45	9.69	8.95
155969CK	1508 ♣	14	Orange	11.95	10.75	9.69

JAMECO BenchPro BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector
- 7" 20AWG lead wires

Part No.	Cross Ref. No.	1	10	100
256831CK	CBB-069	\$5.39	\$5.15	\$4.89

JAMECO BenchPro BNC to Clip Test Cables



BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip
- Length: 39"

Part No.	Description	1	10	50	100
11421CK	Micro-clip RG174	\$3.99	\$3.19	\$2.89	\$2.59
11463CK	Mini-clip RG174	4.39	3.99	3.59	3.19

JAMECO BenchPro Double-Banana Plug to Alligator Clips Test Cable

- Red & black rubber boot
- 4" lead wire
- Length: 3'

Part No.	Description	1	10	50	100
107422CK	Test cable	\$3.95	\$3.49	\$2.95	\$2.49

Pomona BNC to Minigrabber® Test Clips

- RG 174/U, .100" O.D.
- Rating: 300 V_{RMS} max., +50°C (+122°F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"

Part No.	Product No.	1	10
176954CK	5187-K-36	\$24.95	\$22.45

Pomona BNC Male w/ Molded Strain Relief to Minigator® Test Clips

- RG 58C/U, .195" O.D.
- Rating: 45 V_{RMS} max., +50°C (+122°F) max.
- Jaws open to .187" max.
- Length: 36"

Part No.	Product No.	1	10
176971CK	4532-C-36	\$18.95	\$16.95

Pomona BNC Cables

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871CK: 36"
P/N 159880CK: 60"

Part No.	Product No.	1	10	25
159871CK	2249-C-36	\$15.95	\$14.39	\$12.95
159880CK	2249-C-60	16.79	15.95	14.95

JAMECO BenchPro Micro Test Clip

- One piece per package

Part No.	Description	1	10	100
153162CK	1.6" micro test clip	.. \$75	\$.68	\$.54

JAMECO BenchPro Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire

Part No.	Description	1	10	100
135298CK	Mini test leads	\$11.49	\$10.39	\$9.29

JAMECO BenchPro Mini-Clip to Banana Test Cables

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- Length: 3.5' • 20 AWG insulated wire

Part No.	Description	1	10	100
21856CK	Black test cable	\$3.95	\$3.55	\$2.99
21864CK	Red test cable	3.95	3.49	2.99

JAMECO BenchPro Banana-to-Banana Test Leads

- Stackable
- Color coded; 2 each red, yellow, blue, black, white
- 9.8" long
- 10 per package
- 18 AWG wire

Part No.	Description	1	10	25
77841CK	Test leads	\$22.95	\$20.69	\$18.59

Pomona Stackable Banana Test Lead Cables

- 5000V @ 15A
- 55°C max.

159898CK: Two 36" leads, mini clip w/ banana
 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

571188CK: One black; 5' 571196CK: One red; 5'; red
 159901CK: Two 24" leads 159919CK: Two 36" leads
 571241CK: One black; 4'

Part No.	Prod. No.	Description	1	10	25
159898CK	3782-36	Mini w/ banana	\$9.95	\$9.45	\$8.75
571188CK	3782-60-0	Mini w/ banana	3.89	3.79	3.68
571196CK	3782-60-2	Mini w/ banana	3.89	3.79	3.68
159901CK	B-24-02	Patch cord	9.95	8.95	7.95
159919CK	B-36-02	Patch cord	9.95	8.95	7.95
571241CK	B-48-0	Patch cord	5.05	4.52	4.07

⚡ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

JAMECO BenchPro Mini Test Clips

- Two lengths

Includes: One black and one red hooked probe clip

Part No.	Description	1	10	100
114809CK	1.75" mini test clips	\$1.89	\$1.49	\$1.35
114817CK	3.5" mini test clips	1.75	1.55	1.39

JAMECO BenchPro Alligator Clip Leads

- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors

Part No.	Description	1	10	100
10444CK	Alligator leads	\$4.39	\$3.95	\$3.56

JAMECO BenchPro BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips – red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector

Part No.	Description	1	10	100
11383CK	BNC cable	\$3.49	\$2.49	\$2.25

JAMECO BenchPro Insulated Alligator Clips

- Color-coded
- Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100
70990CK	Alligator clips	.. \$39	\$.36	\$.33

JAMECO BenchPro 1 1/4" Banana Plugs

- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening
- Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100
72194CK	Banana plugs	\$1.59	\$1.49	\$1.25

JAMECO BenchPro 2 1/4" Banana Plugs

- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W
- Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137525CK	Banana plugs	\$2.95	\$2.12	\$1.84

Place your order by 6PM EST for same business day shipment.

See www.Jameco.com/DMM for accuracy and complete specifications

Color Code Legend
New Sale Lower\$ QtySave

See www.Jameco.com/DMM for accuracy and complete specifications



- Extech MN35**
- 2000 count
 - 5 functions
 - Temperature function



P/N 645618CK
\$18.99



- Mastech M300**
- 2000 count
 - 6 functions
 - Extremely low cost



P/N 220812CK
\$9.79



- Velleman DVM850BL**
- 2000 count
 - 6 functions



P/N 355207CK
\$16.75



- Jameco JE110**
- 2000 count
 - 6 functions
 - 100µV resolution



P/N 119212CK
\$19.95



- BP-1562**
- 2000 count
 - 6 functions



P/N 318781CK
\$9.95



- Mastech MAS830L**
- 2000 count
 - 7 functions
 - Continuity test



P/N 220759CK
\$13.95



- Mastech MAS838**
- 2000 count
 - 8 functions
 - Temperature



P/N 220741CK
\$19.95



- BP-1206**
- 2000 count
 - 8 functions
 - Auto-zero



P/N 27116CK
\$39.95



- Extech MV110**
- 2000 count
 - 8 functions
 - Tilttable display



P/N 197958CK
\$36.95



- Metex M3800**
- 2000 count
 - 8 functions
 - Auto-zero



P/N 27115CK
\$39.95



- Mastech M9704**
- 2000 count
 - 8 functions
 - Temp. & frequency



P/N 220783CK
\$30.49



- Mastech MY64**
- 2000 count
 - 11 functions
 - Temp. & frequency



P/N 220775CK
\$38.79

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing	
														°C	°F											1	5
645618CK	Extech MN35	2000	5	100µV	200m - 600	200 - 600	200m - 10	—	200 - 20M	—	—	↔	—	-20 to 750	-40 to 1400	✓		✓					5.4 x 2.8 x 1.5	645618CK	\$18.99	\$18.05	
220812CK	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	—	✓		✓					4.7 x 2.7 x 0.8	220812CK	9.79	8.85
355207CK	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	—	✓		✓	✓				5.4 x 2.7 x 1.2	355207CK	16.75	15.92
119212CK	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✓			✓				4.8 x 2.6 x 1.0	119212CK	19.95	15.96	
318781CK	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✓			✓				5.4 x 2.7 x 1.2	318781CK	9.95	9.45	
220759CK	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✓		✓	✓				5.7 x 3.0 x 1.4	220759CK	13.95	13.24	
220741CK	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✓		✓	✓				5.7 x 3.0 x 1.4	220741CK	19.95	15.96	
27116CK	BenchPro BP-1206	2000	8	100µV	200m - 1000	200m - 700	20µ - 10	20µ - 10	200 - 20M	—	—		—	—	—	✓		✓	✓				6.8 x 3.5 x 1.4	27116CK	39.95	35.95	
197958CK	Extech MV110	2000	8	100µV	200m - 1000	200m - 750	20µ - 10	20µ - 10	200 - 200M	—	—		—	—	—	✓		✓	✓				7.3 x 3.5 x 1.3	197958CK	36.95	35.19	
27115CK	Metex M3800	2000	8	100µV	200m - 1000	200m - 700	20µ - 20	20µ - 20	200 - 20M	—	—	↔	—	—	—	✓		✓	✓				6.8 x 3.5 x 1.4	27115CK	39.95	35.95	
220783CK	M9704	2000	8	100µV	200m - 600	200m - 600	2m - 200m	2m - 200	200 - 20M	2nF - 20µF	—		20K	-20 to 1000	—	—	✓		✓	✓				7.6 x 4.0 x 1.5	220783CK	30.49	27.75
220775CK	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—		2k - 20k	-20 to 1000	—	—	✓		✓	✓				7.4 x 3.6 x 1.3	220775CK	38.79	34.91
645571CK	Velleman DVM890F	2000	11	100µV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20µ	—		—	—	-58 to 1832	✓		✓	✓				6.7 x 3.5 x 1.5	645571CK	36.95	35.15	
177480CK	AEEC 2890	2000	11	100µV	200m - 1000	2 - 700	2m - 10	200m - 10	200 - 20M	2n - 20µ	—		20k	-20 to 1000	—	✓		✓	✓				8.0 x 4.0 x 2.0	177480CK	54.95	49.59	
182035CK	Fluke 73-III	3200	9	100µV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M	—	—		—	—	—	✓		✓		✓			6.6 x 3.0 x 1.1	182035CK	189.89	180.39	
220767CK	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—		32.6k - 150k	—	—	✓		✓	✓	✓	✓		7.4 x 3.6 x 1.3	220767CK	35.95	32.36	
645626CK	Extech EX330	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—		.001 - 10M	-50 to 1000	-58 to 1832	✓		✓	✓				5.7 x 2.9 x 1.6	645626CK	47.45	45.15	
216514CK	Metex ME-31	4000	10	100µV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	—	—		—	—	—	✓		✓	✓	✓	✓		7.3 x 3.3 x 1.5	216514CK	56.95	54.15	
211650CK	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—	↔	10 - 10M	0 to 760	0 to 1400	✓		✓	✓				4.8 x 2.4 x 1.6	211650CK	39.95	37.95	
117373CK	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	—	✓		✓	✓		✓		7.7 x 3.6 x 1.6	117373CK	89.95	67.46
137462CK	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	—	✓		✓	✓		✓	✓	7.7 x 3.6 x 1.6	137462CK	119.95	89.96
117372CK	Metex M3850D	4000	14	100µV	400m - 1000	400m - 750	400µ - 20	400µ - 20	400 - 40M	4n - 400µ	—		4k - 40M	-40 to 1200	—	✓		✓	✓	✓	✓		7.2 x 3.3 x 1.8	117372CK	104.95	99.69	
215589CK	Metex M3890D	4000	15	100µV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200µ	—		4k - 4M	-40 to 1200	-40 to 2192	✓	✓	✓	✓	✓	✓	✓	7.8 x 3.5 x 1.7	215589CK	99.95	94.99	
137461CK	Metex M3860D	4000	16	100µV	400m - 1000	400m - 750	40m - 20	40m - 20	400 - 40M	4n - 400µ	40m - 400m		4k - 40M	-40 to 1200	—	✓	✓	✓	✓	✓	✓	✓	7.2 x 3.3 x 1.8	137461CK	149.95	134.99	

* with non-contact voltage detector (100-600VAC range)

Blue Part No. = Limited Quantity Available

DMMs continued on pages 266 – 267.

DMMs continued on pages 266 – 267.



- Velleman DVM890F**
- 2000 count
 - 11 functions



P/N 645571CK
\$36.95



- AEEC 2890**
- 2000 count
 - 11 functions
 - Temp./frequency
 - Tilttable display



P/N 177480CK
\$54.95



- Fluke 73-III**
- 3200 count
 - 9 functions
 - Autorange/frequency
 - Analog bargraph



P/N 182035CK
\$189.89



- Mastech MY68**
- 3260 count
 - 12 functions
 - Autorange
 - Analog bargraph



P/N 220767CK
\$35.95



- Extech EX330***
- 4000 count
 - Non-contact AC voltage detector
 - 9 functions



P/N 645626CK
\$47.45



- Metex ME-31**
- 4000 count
 - 10 functions/RS232
 - Autorange
 - Analog bargraph



P/N 216514CK
\$56.95



- Extech MN26**
- 4000 count
 - 11 functions
 - Autorange
 - Temp./frequency



P/N 211650CK
\$39.95



- BP-1949**
- 4000 count
 - 12 functions/RS-232
 - Autorange
 - Temp./frequency



P/N 117373CK
\$89.95



- BP-1737**
- 4000 count
 - 12 functions/RS-232
 - Autorange
 - Temp./frequency



P/N 137462CK
\$119.95



- Metex M3850D**
- 4000 count
 - 14 functions/RS-232
 - Autorange
 - Temp./frequency



P/N 117372CK
\$104.95



- Metex M3890D**
- 4000 count
 - 15 functions/USB
 - Autorange
 - Temp./frequency



P/N 215589CK
\$99.95



- Metex M3860D**
- 4000 count
 - 16 functions/RS232
 - Autorange
 - Temp./frequency



P/N 137461CK
\$149.95

FLUKE

- Fluke 110**
- 6000 count
 - 10 functions
 - Autorange
 - Min/Max/Avg

- Fluke 111**
- 6000 count
 - 12 functions
 - Autorange
 - Current

- Fluke 112**
- 6000 count
 - 12 functions
 - Autorange
 - Backlit display
 - Current



Sizes shown are for relative comparisons.

True RMS

P/N 190967CK \$129.89
P/N 190975CK \$149.89
P/N 185527CK \$169.89

FLUKE

- Fluke 175**
- 6000 count
 - 12 functions
 - Autorange
 - Frequency



True RMS

P/N 192655CK \$219.89

FLUKE

- Fluke 179**
- 6000 count
 - 13 functions
 - Autorange
 - Temperature
 - Frequency



True RMS

P/N 185535CK \$239.89

WAVETEK Meterman

- Wavetek/MM 37XR**
- 10,000 count
 - 14 functions
 - Inductance
 - Autorange
 - dB display



True RMS

P/N 222527CK \$129.49

WAVETEK Meterman

- Wavetek/MM 38XR**
- 10,000 count
 - 14 functions/RS232
 - Autorange
 - Temperature
 - Frequency



True RMS

P/N 222543CK \$149.49

MASTECH

- Mastech MY65**
- 20,000 count
 - 8 functions
 - Capacitance



P/N 136590CK \$73.49

JAMECO BenchPro

- BP-1415**
- 20,000 count
 - 8 functions
 - Capacitance

A Jameco EXCLUSIVE



P/N 318764CK \$73.49

METEX

- Metex M4640A**
- 20,000 count
 - 12 functions
 - 4 displays
 - Frequency



P/N 144872CK \$132.95

FLUKE

- Fluke 187**
- 50,000 count
 - 11 functions
 - Autorange
 - Temperature
 - Frequency



True RMS

P/N 222375CK \$419.89

FLUKE

- Fluke 189**
- 50,000 count
 - 13 functions
 - Data logging
 - Temperature
 - Frequency



True RMS

P/N 182043CK \$429.89

DMMs continued from pages 264-265.

DMMs continued from pages 264-265.				Basic Measurement Functions													Test Functions				Special Functions				DMMs continued from pages 264-265.			
Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing		
														°C	°F											1	5	
190967CK	Fluke 110	6000	10	1mV	6 - 600	6 - 600	—	—	600 - 40M	1000n - 10,000μ	—		99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	190967CK	\$129.89	\$123.29	
190975CK	Fluke 111	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000μ	—		99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	190975CK	149.89	142.39	
185527CK	Fluke 112	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000μ	—	↔	99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	185527CK	169.89	161.39	
192655CK	Fluke 175*	6000	12	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	—		99.99 - 99.99k	—	—	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	192655CK	219.89	208.89	
185535CK	Fluke 179*†	6000	13	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	185535CK	239.89	227.89	
645562CK	Velleman DVM205AM‡	10,000	7	100μV	400m - 100V	400m - 750	400m - 10	400m - 10	400 - 40M	40n - 100μ	—		9.999 - 9.999M	-20 to 760	-4 to 1400	✓		✓		✓	✓		✓	6.2 x 3.0 x 1.8	645562CK	61.69	59.55	
222527CK	Wavetek/MM 37XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400μ	4m - 40	↔	100 - 10M	—	—	✓	✓	✓		✓	✓		✓	7.8 x 3.6 x 2.4	222527CK	129.49	122.99	
222543CK	Wavetek/MM 38XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400μ	—	↔	100 - 10M	-20 to 1300	-4 to 2372	✓		✓		✓		✓	7.8 x 3.6 x 2.4	222543CK	149.49	141.99		
136590CK	Mastech MY65 ☼	20,000	8	10μV	200m - 1000	2 - 700	2m - 10	2m - 10	200 - 200M	200p - 20μ	—		—	—	—			✓	✓				✓	7.4 x 3.6 x 1.2	136590CK	73.49	66.15	
318764CK	BenchPro BP-1415	20,000	8	10μV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20μ	—		20k	—	—	✓		✓	✓				✓	7.4 x 3.6 x 1.2	318764CK	73.49	66.15	
144872CK	Metex M4640A	20,000	12	10μV	200m - 1000	200m - 750	2m - 20	2m - 20	200 - 20M	20n - 200μ	—		20k - 2M	—	—	✓		✓	✓		✓	✓	✓	7.5 x 3.3 x 1.5	144872CK	132.95	126.35	
222375CK	Fluke 187*	50,000	11	1μV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50μ	—	↔	500 - 999.99k	-200 to 1350	-328 to 2462	✓		✓		✓	✓		✓	8.0 x 3.9 x 2.0	222375CK	419.89	398.89	
182043CK	Fluke 189*	50,000	13	1μV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50μ	—	↔	500 - 999.99k	-200 to 1350	-328 to 2462	✓		✓		✓	✓		✓	8.0 x 3.9 x 2.0	182043CK	429.89	403.39	

* Temperature probe available — see bottom of chart † with backlight * see page 268 for photo * Blue Part No. = Limited Quantity Available

EXTECH

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- **Inductance ranges:** 2000μH to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- **Resistance ranges:** 20Ω to 10MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678CK	LCR Meter	\$178.95	\$160.95
189238CK	9VDC @ 300mA adapter	4.79	4.31

FLUKE

AC Voltage Detector and LED Flashlight

Quickly test and trace a circuit without dragging out that huge DMM and extra flashlight! This non-contact AC voltage detector and LED flashlight is combined in one convenient, compact design. The voltage detector glows blue when it's near AC voltage, and glows red when it's at the source. Detects voltages from 40VAC to 300VAC. Voltage detector glows blue 50Hz - 60Hz or 2.5 - 38cm (1 - 15") away from source. Ultra-bright white LED with 100,000 hour bulb life. AAA battery included.



NEW

Part No.	Product No.	1	3
667526CK	LVD1	\$26.95	\$25.60

www.Jameco.com

MASTECH

15A AC Line Separator for AC Current Clamp Meters

- Max. overload: 250VAC@15A
- X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line

SALE

Part No.	Description	1	10	25
162325CK	3-prong US-type plug ...	\$9.99	\$8.99	\$8.09

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Cable length: 39" • Probe length: 14" • Wt: 0.8 lbs.

Part No.	Description	1	10
132290CK	High volt. test probe ⊕	\$79.95	\$72.95

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD
- DATA HOLD
- 0.5" digit height
- Compatible with P/N 162325CK, pg 266
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.

Requires: 9V battery not included (P/N 151095CK, pg 228)
Includes: Test leads, manual and case

Part No.	Description	1	10
115756CK	Mini DC/AC clamp meter	\$119.95	\$107.95



ACA*	20A, 200A	±1.2%+5d
DCA	200A	±1.2%+5d
ACV*	500V	±1.0%+2d
DCV	200V	±0.8%+1d
Resistance	200Ω	±1.2%+1d
*Frequency Response	40-400Hz	
Zero Adjust	External knob for DCA	

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309CK	Current shunt ⊕	\$24.95	\$22.49	\$19.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

400A AC/DC Clamp Meters/Multimeters

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Over range and low battery indicators
- Data hold freezes current reading on display
- 0.9" (23mm) jaw size
- Overload protection
- Size: 7.9"L x 2.0"W x 1.4"D

Includes: Test leads, case, and 2 AAA batteries

373991CK (MA200):

- 2000 count LCD display
- Measure AC current, DCV, ACV, and resistance
- **AC current ranges:** 2A-400A; 0.001A max. res.
- Basic current accuracy: ±2.5%
- **DC/AC voltage ranges:** 200mV - 600V; 0.1mV max. res.
- Basic voltage accuracy: AC: ±1.5%; DC: ±1.2%
- **Resistance:** 200Ω - 20MΩ; 0.1Ω max. res.

374070CK (MA220):

- 4000 count LCD display
- One touch "Auto Zero"
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- **AC/DC current ranges:** 40A-400A; 0.01A max. res.
- **DC/AC volt. ranges:** 400mV-600V; 0.1mV max. res.
- **Frequency ranges:** 5Hz-150kHz; 0.001Hz max. res.
- **Temperature ranges:** -58° to +1830°F (-50° to +1000°C); 1° max. resolution
- **Capacitance ranges:** 40nF-1000μF; 0.01nF max. res.
- **Resistance:** 400Ω-40MΩ; 0.1Ω resolution
- **Duty cycle:** 0.5%-0.99%; 0.1% max. res.

Part No.	Product No.	Description	1	5
373991CK	MA200	400A AC current clamp meter/multimeter	\$36.95	\$35.10
374070CK	MA220	400A AC/DC current clamp meter/multimeter	74.95	71.20

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Automotive Digital Multimeter

- RPM (2/4/5/6/8 cylinder) range: 0 – 10,000RPMs
- Dwell angle: 0-180°
- Temperature ranges: -20°C to +760°C (-4°F to 1400°F)
- Large 4-digit backlight LCD display (1" character height)
- Resolution: 100µV max.
- DC voltage ranges: 400mV to 100V
- AC voltage ranges: 400mV to 750V
- DC / AC current ranges: 400µA to 10A
- Resistance ranges: 400Ω to 40MΩ
- Capacitance ranges: 40nF to 100µF
- Frequency ranges: 9.999Hz to 9.999MHz
- Auto/Manual selection range
- Diode and continuity tests
- Data hold + relative function
- Size: 6.2"H x 3.0"W x 1.8"D
- Auto power off
- Overload protection
- Weight: 1.3 lbs.

Includes: Manual, 9V battery, test/temp. probes

Part No.	Product No.	1	10	25
645562CK	DVM205AM	\$61.69	\$59.55	\$56.59



4000-Count True-RMS Benchtop Multimeter with RS-232

- 9 functions, 32 ranges
- 3½-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- DC voltage ranges: 400mV – 1000V (0.3% accuracy)
- AC voltage ranges: 4V – 750V
- DC/AC current ranges: 4mA – 10A
- Resistance ranges: 400Ω – 40MΩ
- Capacitance ranges: 4nF – 40µF
- Frequency ranges: 100Hz – 600kHz
- Diode and continuity test
- Min., max., and relative hold function
- Input voltage: 9V battery or 90-132VAC/198-264VAC @ 50-60Hz
- Size: 9.0"W x 9.4"D x 3.3"H
- Delay hold mode
- Weight: 3.3 lbs.
- Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable and software (98/ME/2000/XP compatible)

Part No.	Product No.	1	5
230586CK	B940	\$148.95	\$141.55



Protek

2000-Count Multimeters

- Resolution: 100µV maximum
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.
- 160830CK: 3 1/2-Digit
- DC/AC current ranges: 20µA – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS
- 203801CK: 3 1/2-Digit
- DC/AC current ranges: 20µA – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS
- 421542CK: 3 1/2-Digit
- DC/AC current ranges: 200µA – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

♣ Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830CK	8010A♣	\$199.95
203801CK	8012A♣	155.95
421542CK	8050A♣	219.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

Commercial Customers



Open an account with us to consolidate your monthly billing and to save time.

20,000-Count True-RMS Benchtop Multimeter

- 4½-digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- DC voltage ranges: 200mV – 1000V
- AC voltage ranges: 200mV – 750V
- DC/AC current ranges: 2mA – 10A
- Resistance ranges: 200Ω – 20MΩ
- Frequency measurement up to 200kHz
- Continuity check with beeper
- Data hold, diode check, transistor h_{FE} measurement available
- Size: 9.9"L x 9.8"W x 3.6"H
- Weight: 6.1 lbs.
- One-year manufacturer's warranty

Part No.	Product No.	1	10	25
132564CK	DM441	\$269.95	\$256.49	\$243.49



EZ DIGITAL

20,000-Count Benchtop Multimeter w/ RS-232, Analog Bar & 4 Displays

- Automatic polarity indicator
- 1-2 readings/second
- DC accuracy: 0.1% +5 digits
- 10 reading storage and compare
- Resolution: 10µV max.
- DC voltage ranges: 200mV – 1000V
- AC voltage ranges: 200mV – 750V
- DC/AC current ranges: 2mA – 20A
- Resistance ranges: 200Ω – 20MΩ
- Frequency ranges: 20kHz – 20MHz
- Min., max., average, relative functions
- Logic, diode, transistor h_{FE} and continuity test
- Size: 11.2"L x 8.2"W x 3.2"H
- Weight: 7.5 lbs.

Includes: Manual, power cable, probes and software

Part No.	Product No.	1	10
166852CK	MXD4660A	\$249.95	\$224.95



METEX

Handheld 2MHz Digital Oscilloscope with 3½-Digit Multimeter

- 10MHz for repetitive signals; 2MHz for single shot events
- Input impedance: 1MΩ/20pF
- Max. input voltage: 100V peak (AC + DC)
- Input coupling: DC, AC, and GND (GND for auto zero reference)
- LCD graphics display: 64 x 128 pixels
- Vertical resolution: 8-bit
- Timebase range: 0.2µs to 1 hr./div
- Input sensitivity: 5mV to 20V/div
- Linearity: ±1 bit
- Screen hold
- Trigger mode: run, normal, once, and ± slope
- True RMS and dB measurements
- High contrast 3.3" diagonal LCD display
- Recommend 9VDC @ 300mA power supply (133891CK, pg 219)
- Weight: 1.0 lb.
- Batteries not included

Includes: DVM850 multimeter (below) and insulated BNC-to-alligator clip measurement probes

6-Function Multimeter:

- 3½ digit w/ backlight, 2000 count
- Data hold function
- DC voltage ranges: 200mV to 100V
- AC voltage ranges: 200/600
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Part No.	Description	1	5
355485CK	2MHz Oscilloscope w/ DMM (HPS10 + DVM850)	\$194.95	\$185.25



Velleman



355207CK (DVM850) can be purchased separately, pg 265

Free DMM!

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC RMS max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1µS to 5S
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual channel; 50MS/s single channel
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100uV max.
- DC voltage ranges: 0.001V to 1000V
- AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1Ω to 5MΩ
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H

Includes: Test leads, alligator clips, Ni-MH battery pack, AC adaptor/charger, RS-232 cable, holster, and carrying case.

Part No.	Product No.	1	5
645651CK	381295	\$427.49	\$406.15



EXTECH

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.

- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Maximum input amplifier bandwidth: 2MHz
- Input impedance: 1Mohm / 20pF
- Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)
- Input coupling: DC, AC, and GROUND
- Vertical resolution: 8-bit
- Trigger modes: Run, normal, roll mode for 1s/div and slower time base
- Signal storage: 256 samples max., 125 samples visible
- dBm measurement: -73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2uS to 1 hour / division
- Input sensitivity ranges in 12 steps: 5mV to 20V / division @ x1; 50mV to 200V / division @ x10
- Input voltage: 6VAC or 9VDC@300mA
- Size: 6.5"W x 3.5"H x 1.4"D • Weight: 1.0 lb.



velleman

Totally Unique

Part No.	Product No.	1	5
645280CK	VPS10	\$189.99	\$184.99

*Increased performance with x10 probe

Handheld 12MHz Digital Oscilloscope w/ 3½-Digit DMM

- 40MS/s for repetitive signals (10MS/s for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200V peak-peak (AC only)
- Input coupling: DC, AC and GND
- LCD graphics display: 112 x 92 pixels
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 32 steps; 50ns to 1hr./div
- Input sensitivity range: 12 steps; 5mV to 20V/div
- True RMS and dB measurements
- Trigger mode: run, normal, once, and roll modes
- High contrast LCD display
- Recommend 9VDC @ 300mA wall adapter (P/N 133891CK, pg 219)
- Batteries not included (recommend 151087CK, pg 0)
- Size: 8.0"H x 4.1"W x 1.4"D
- Weight: 1.0 lb.



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355207CK (DVM850) can be purchased separately, pg 265

Includes: DVM850 DMM & probes

- Multimeter:**
- 6-functions
 - Data hold function
 - 3½-digit w/ backlight, 2000 count
 - DC voltage ranges: 200mV to 100V
 - AC voltage ranges: 200/600V
 - DC current ranges: 200μA to 10A
 - Resistance ranges: 200Ω to 2MΩ
 - Diode, transistor, and continuity test
 - Power supply: 9V battery (included)
 - Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
373157CK	12MHz Oscilloscope with DMM (HPS40 + DVM850)	\$373.95	\$355.30

Handheld 20MHz Digital Oscilloscope & Multimeter

- 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer
- **Oscilloscope:** 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5us/div; 20 MS/s sampling rate
- **Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- **Digital multimeter:** 3½-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40μA-400mA; DC current 400μA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- **Frequency counter:** 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35Vrms/42V-P/60VDC max. input
- **Oscilloscope probes:** Use P/N 22891CK or 216047CK, pg 271
- Battery required for portable use (see below)
- Size: 10.0"L x 5.0"W x 2.0"H
- Weight: 9.2 lbs. • One-year warranty



162430CK

Includes: Manual, 5VDC @ 3A power supply, power cord, DMM test leads, holster and case

Part No.	Description	1	5
162430CK	20MHz digital scope	\$799.95	\$764.95
162974CK	Logic probe	59.95	53.95
163141CK	Rechargeable battery	45.95	41.49
162966CK	RS-232 cable & software	26.95	24.25
221946CK	Scope probe	24.95	23.69

30MHz 2-Channel Digital Oscilloscope w/ 3½-Digit DMM

- 240MS/s for repetitive signals, 60MS/s for single shot events
- 2 channels
- Input impedance: 1MΩ / 20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200Vp-p (AC only)
- Input coupling: DC, AC, and GND
- LCD graphic display: 128 x 192 pixels with LED backlight
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 35 steps; 25ns to 1hr./div
- Input sensitivity: 14 steps; 1mV to 20V/div
- Trigger mode: run, normal, once, and roll modes
- True RMS and dB measurements
- Recommend 9VDC @ 500mA regulated power supply (228890CK, pg 217)
- 6V @ 1800mA NiMH rechargeable battery pack included
- Size: 9.0"H x 5.9"W x 1.7"D
- Weight: 1.9 lbs.



velleman



355207CK (DVM850) can be purchased separately, pg 265

Includes: DVM850 DMM & probes

- Multimeter:**
- 6-functions
 - 3½-digit w/ backlight, 2000 count
 - Data hold function
 - DC voltage ranges: 200mV to 100V
 - AC voltage ranges: 200/600V
 - DC current ranges: 200μA to 10A
 - Resistance ranges: 200Ω to 20MΩ
 - Diode, transistor, and continuity test
 - Power supply: 9V battery (included)
 - Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
373165CK	30MHz Oscilloscope w/ DMM (APS230 + DVM850)	\$738.95	\$702.05

Oscilloscope Probes

See page 271



30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 309.

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1M Ω /30pF
- Parallel Port Interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V (AC and DC)
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576CK, pg 219)

Oscilloscope:

- Timebase: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer:

- Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, PC parallel cable, manual and CD-ROM software

Part No.	Product No.	1	5
200184CK	PCS500AU	\$478.95	\$429.95

PC-MultiScope 20MHz 2-Channel Digital Oscilloscope

mission technology



Turn your PC into a digital storage oscilloscope for 1/2 the cost of a DSO!

- 100MHz sampling; dual channel
- Chart recorder and FFT mode
- 5mV to 5V per div.; 20MHz bandwidth; ext. trigger
- 0-4MHz sine and square wave signal generator
- Triple power supply; 5VDC @ 500mA and ± 0 -8VDC @ 250mA
- Size: 4.3"L x 5.0"W x 1.5"H
- One-year warranty
- Weight: 3.8 lbs.

Includes: Parallel port cable, AC adapter, alligator clip probe, Windows® 3.1/95/98 software

Part No.	Description	1	10
163230CK	PC-MultiScope 3	\$549.95	\$532.95

20MHz 2-Channel Analog Oscilloscope



EZ DIGITAL

Blue CRT for higher resolution!

- 6" rectangular high-resolution blue CRT with internal graticule & scale
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: 0.2 μ s/div to 0.2s/div in 19 calibrated steps, 1-2-5 sequence
- Max. signal input voltage: 250V (DC and peak AC)
- ADD function measures sum of two signals
- Input voltage: 98-125VAC @ 1A, 198-225VAC @ 0.5A, 50-60Hz, 45W
- Two-year manufacturer's warranty
- Size: 16.4"L x 12.6"W x 5.3"H
- Weight: 20.8 lbs.

Includes: Two (X1/X10) 40MHz probes, power cord, manual, and block diagram

Part No.	Product No.	1	5
136098CK	OS5020	\$399.95	\$385.95

20MHz 2-Channel Analog Oscilloscope with 1MHz Function Generator

- Basic specs same as OS5020 (above)

Function generator

- Frequency range: 0.1Hz to 1MHz (7 ranges)
- Output waveforms: sine, triangle, square, TTL pulse
- Output impedance: 50 Ω
- Output voltage: 14Vp-p
- Size: 12.6"L x 12.6"W x 6.8"H
- Weight: 23.8 lbs.
- Two-year manufacturer's warranty

Includes: Two X1/X10 40MHz probes, power cord, manual, BNC to alligator, and cable

Part No.	Product No.	1	10
94650CK	OS5020G	\$529.95	\$499.95

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business day shipment.

20MHz 2-Channel Analog Oscilloscope with Built-in Component Checker

- 6" rectangular CRT with internal graticule
- Built-in component checker/tester for resistors, capacitors, coils, diodes
- Vertical sensitivity: 5mV/div to 20V/div in 12 calibrated steps (1-2-5 sequence)
- Input impedance: 1M Ω , 20pF
- Max. input (vertical amplifier): 300VDC or AC peak
- Horizontal sweep time: 0.2 μ s/div to 0.5s/div in 20 calibrated steps (1-2-5 sequence)
- Internal trigger sensitivity: 20Hz to 20MHz
- Size: 17"L x 14"W x 5.75"H
- Weight: 15.5 lbs.

Includes: Two X1/X10 60MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
201857CK	P-3502C	\$394.95	\$375.19

20MHz 2-Channel Analog Oscilloscope with Alt-Mag and 1mV/div Sensitivity

- Large 6" CRT with internal graticule
- Alt-Mag sweep for simultaneous displays of the main and X5 magnified trace
- Auto-focus
- Input voltage: 100V, 120V, 220V, 240V @ 50-60Hz (selectable)
- Size: 14.8"L x 13.4"W x 5.5"H
- Weight: 24 lbs.

Vertical Amplifier

- Sensitivity – 1mV/div to 1V/div (X5 Mag); 5mV/div to 5V/div in 10 steps (1-2-5 seq.)
- Bandwidth: (-3dB): DC to 20MHz
- Input impedance: 1M ohms, 25pF
- Maximum input voltage: 400V (DC or AC peak)

Horizontal Sweep

- Sweep time: 0.1 μ s/div to 0.2S/div in 20 steps (1-2-5 seq); X5 mag: 20nS/div to 40mS/div

Triggering

- Sensitivity: Internal – DC to 2MHz: 2 divisions; 2MHz to 20MHz: 3 divisions

Includes: X1 and X10 probes, power cord & manual

Part No.	Product No.	1	5
220679CK	PROTEK 6502	\$429.95	\$408.45

100MHz 2-Channel Analog Oscilloscope

- 2-channel dual trace
- Delay line
- Auto focusing according to intensity
- Weight: 22.8 lbs.
- Size: 16.9"L x 12.6"W x 5.5"H
- Two-year warranty

Includes: Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
121179CK	OS5100	\$999.95	\$964.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

INSTEK

150MHz 2-Ch Digital Oscilloscopes

Color and Monochrome with RS-232/USB/ Parallel Interfaces

- Bandwidth (-3dB): 150MHz
- Real-time sample rate: 100MS/s maximum on each channel; equivalent: 25GS/s
- Record length 125K/CH
- Vertical sensitivity: 2mV/div – 5V/div
- Time base range: 1nS/div – 10S/div
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits \pm 50ppm; AC coupled, 10Hz – 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H
- Weight: 9.3 lbs.
- Two-year warranty



229366CK

229358CK: Monoch. w/ RS-232/USB/parallel interface
229366CK: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358CK	GDS-820S	\$1,259.95	\$1,196.95
229366CK	GDS-820C	1,439.95	1,367.95

100MHz Delayed Sweep Analog Oscilloscope w/ Frequency Counter

2 Channel, 4 Trace

- DC to 100MHz bandwidth
- 6" rectangular CRT with internal graticule
- Auto set, readout cursor, delay sweep, hold-off functions
- Z-axis intensity modulation: DC to 2MHz bandwidth; 30VDC + peak AC max. input voltage
- Vertical deflection factor: 2mV/div to 5V/div
- Horizontal time base A/B deflection: 5ns/div to 0.5s/div in 22 calibrated steps
- Input coupling: AC, GND, DC
- Rise time: 3.5ns or less • Weight: 17.6 lbs.



Includes: Two X1/X10 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
190932CK	OS5100RB	\$1,199.95	\$1,139.95

150MHz Modular Oscilloscope Probe

- Working voltage: 600VDC and 600V peak AC
- Length: 3.9'



Rise Time	Bandwidth (±3dB)	Impedance (R/C)
Attenuation	Attenuation	Attenuation
x1	x1	x1
35ns	2.33ns	10MHz
		150MHz
		1MΩ/46pF
		10MΩ/11pF

Part No.	Product No.	1	10	50
645589CK	PROBE150	\$39.95	\$37.95	\$35.95

Modular Oscilloscope Probes



- Hook and pointed probes
- 216047CK/236777CK: with IC test ground cover and spring ground contact
- Length: 5' • Alligator clip ground wire
- BNC male connector
- Maximum input voltage: 600V

Part No.	Bandwidth (±3dB)		Impedance (R/C)*	
	Attenuation	Attenuation	Attenuation	Attenuation
	x1	x10	x1	x10
22891CK	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047CK	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777CK	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22891CK	LF101E	\$24.95	\$22.46	\$20.21
216047CK	HF-9100	\$34.95	\$29.95	\$26.95
236777CK	HP-9250	\$45.95	\$43.39	\$37.25

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473CK: 7-piece kit
212257CK: 25-piece kit

Part No.	Product No.	1	10
174473CK	4901-02 (150MHz)	\$49.95	\$44.99
212257CK	4915A (250MHz)	\$149.95	\$142.49



Pomona 100MHz Probe Set

- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (-3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10-60pF • 48" cable

Part No.	Product No.	Description	1	10
156451CK	4550B	Probe kit	\$49.49	\$45.65

Pomona 300MHz Probe Set

- Attenuation: X10
 - Bandwidth (-3dB): 300MHz
 - Rise time: 1.17ns
 - Input resistance: 10MΩ
 - Capacitance: 17pF
 - Compensation range: 10-60pF • 47" cable
- ⚡ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Product No.	Description	1	5
571233CK	5809B	Probe kit	\$90.29	\$85.75

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Input impedance: 1MΩ
- Pulse flash time: 500ms
- Audible tones for high and low
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
149930CK	Logic probe	\$29.95	\$26.99	\$24.29

For additional Test Leads see pages 261 - 263.

Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- 1MΩ sync input impedance
- "One shot" or continuous 5Hz train pulse
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
24601CK	Logic pulser	\$21.95	\$19.76	\$17.78

100MHz Logic Analyzer USB Interface

DigiView™ is a new 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.



- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Description	1	5
256866CK	USB logic analyzer	\$498.95	\$474.09
256874CK	Cable replacement	\$29.95	\$28.49
256882CK	Grabber clip set (10)	\$29.95	\$28.49

METEX 4-in-1 Universal System

With Function Generator, Universal Counter, DC Power Supply & Digital Multimeter

- Function generator capable of generating seven forms of waves (sine, square, triangle, skewed sine, ramp, pulse, and TTL square wave) in seven frequency ranges from 0.2Hz to 2MHz



Less Bench Space – Great Convenience

- Universal counter capable of measuring frequency ranges from 5Hz to 1.3GHz
- DC power supply capable of generating 5V @ 2A, 15V @ 1A fixed and 0 to 30V @ 0 to 2A variable
- Digital multimeter with ranges of: DC voltage (400mV to 100V), AC voltage (400mV to 750V), DC/AC current (40mA to 20A), resistance (400Ω to 40MΩ), capacitance (4nF to 400µF) and forward resistance of a semiconductor junction in kΩ
- Size: 14.5"W x 14.0"D x 7.0"H
- Weight: 37 lbs. • One-year warranty

Includes: Manual, cables and software

Part No.	Product No.	1	5
160864CK	MS9150	\$564.95	\$514.95



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1.5GHz Frequency Counter

2 Channels

- Input voltage: 115/230VAC @ 50-60Hz (switchable)
 - Gate time: 0.01s, 0.1s, 1s, 10s
 - 9-digit green LED display
 - Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
 - Resolution: 0.1nHz to 10Hz (A input); 0.1Hz to 100kHz (B input)
 - Frequency, period, totalize, RPM
 - Weight: 5.3 lbs.
 - Size: 10.3"L x 10.0"W x 3.2"H
 - One-year warranty
- Includes: Fuse, manual and BNC cable



Part No.	Product No.	1	5
55790CK	FC-7150	\$284.95	\$259.95

2MHz Sweep Function Generator with Frequency Counter

- Frequency range: 0.02Hz-2MHz in 7 ranges
 - Sweep width: 1:1 to 100:1; rate: 20ms to 25s (5Hz-50Hz)
 - Frequency counter range: 0.2Hz to 50MHz
 - Output impedance: 50Ω ±5%
 - Maximum input voltage: 150VRMS @ 1kHz
 - Input voltage: 115/230VAC @ 50-60Hz (switchable)
 - Size: 10.3"L x 10.0"W x 3.2"H
 - Weight: 5.8 lbs.
 - One-year warranty
- Includes: Probe and detachable power cord



Part No.	Product No.	1	5
94676CK	FG7002C	\$295.95	\$285.69

2MHz & 10MHz Sweep Function Generators w/ Frequency Counter

Function Generator

- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 2Hz to 2MHz (192671CK); 1Hz to 10MHz (221911CK)
- Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load
- Output impedance: 50Ω ±10%
- Offset variable range (max.): ±10VDC at open load
- Frequency sweep time: 20ms to 2s



Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
 - Input sensitivity: channel A: 20mVRMS sine wave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz; 70mVRMS for 1.3GHz to 2.7GHz
 - Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p
 - Input impedance: channel A, 1MΩ; channel B, 50Ω
 - Data logging and graphic software
 - Size: 11.0"L x 8.2"W x 3.7"H
 - Weight: 13.4 lbs.
- Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
192671CK	2MHz/2.7GHz	\$319.95	\$303.95
221911CK	10MHz/2.7GHz	417.95	396.99

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator

- Wave forms: sine, triangle, square, TTL, and CMOS output; 229260CK has ramp
- Frequency ranges: 229251CK: 0.2Hz – 2MHz in 7 ranges; 229260CK: 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load
- Voltage controlled frequency function
- Variable DC offset control



Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
 - Weight: 4.4 lbs.
 - Two-year warranty
 - 229251CK: 4-digit LCD display; Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz; Size: 9.1"W x 11.0"D x 3.7"H
 - 229260CK: 6-digit LCD display; Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz; Size: 9.9"W x 11.5"D x 3.6"H
- Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251CK	GFG-8020H	2MHz	\$259.95	\$246.95
229260CK	GFG-8216A	3MHz	279.95	251.99

2MHz Function Generator

- Frequency range: 0.02Hz to 2MHz
 - Waveforms: sine, triangle, square, ramp, TTL pulse, skewed sine
 - DC offset voltage from 0 to ±10V; can be superimposed to output waveform
 - Variable waveform/duty cycle symmetry
 - Output volt.: 20Vp-p (open circuit), 10Vp-p (into 50Ω)
 - Input voltage: 110V/220V 50-60Hz
 - Size: 10.0"L x 8.0"W x 3.0"H
 - Weight: 5.4 lbs.
 - One-year manufacturer's warranty
- Includes: Cord, BNC to clip cable, fuse and manual



Part No.	Product No.	1	5	10
66069CK	FG8002	\$189.95	\$179.95	\$169.95

Detailed specifications for Function Generators
www.Jameco.com/Prod/FunctionGen

3MHz Function Generator

- Square, triangle, and sine waves; TTL and CMOS pulse outputs
- Frequency: 0.3Hz to 3MHz in 7 ranges
- Output impedance: 50Ω ±10%
- CMOS output level: 4Vpp, ±1Vpp to 14.5Vpp; ±0.5Vpp adjustable
- DC offset: <-5V to >+5V into 50Ω load
- Variable controlled frequency input
- Variable DC offset control
- Signal polarity invert button
- Duty cycle control
- Size: 9.6"W x 11.5"D x 3.7"H
- Weight: 4.4 lbs.



Part No.	Product No.	1	5
222594CK	FG2C	\$239.95	\$234.95

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Two-year warranty
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.



Part No.	Prod. No.	Description	1	5
160469CK	BK4011A	0.5 to 5MHz	\$314.95	\$312.45



30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Input voltage: 85-264VAC @ 47-63Hz
- Output terminals
- Large digit backlit display
- A fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H
- Weight: 1.2 lbs.



Part No.	Product No.	1	10
301971CK	PSU130	\$79.95	\$75.95



30-Watt Digital Benchtop Power Supply

- Single output
- Adjustable 0 – 30V voltage output
- Adjustable 0 – 1A current output
- Max. display resolution: 0.1V / 10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D
- Weight: 4.4 lbs.



Part No.	Product No.	1	5
645600CK	382200	\$113.15	\$107.39

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions.
Just call us! 1-800-831-4242




JAMECO
BenchPro

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H




Part No. Description 1 5
 489184CK DRP-303D \$189.95 \$179.95

90-Watt Digital DC Power Supply

30VDC @ 3A

- Constant current and constant voltage operation
- Can be used for positive or negative source
- Overload protection circuit
- Input voltage: 100/240VAC @ 50-60Hz
- Size: 5.2"W x 5.6"H x 10.0"D
- Weight: 10.9 lbs.
- One-year warranty




EZ DIGITAL
Blue P/N = Limited Quantity Available

Part No. Product No. 1 10
 121152CK GP4303D \$189.95 \$179.95


100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Displays of both voltage and current
- Constant voltage or current
- Current limiting indicator
- Overload and short circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.



197991CK




197982CK

Part No. Description 1 10
 197991CK Digital DC \$198.95 \$178.95
 197982CK Analog DC 168.95 151.95

150-Watt Digital Power Supply

30VDC @ 5A

- Adjustable voltage/current outputs • 2A @ 250V fuse
- Constant voltage and current operation • Dual digital display
- LCD displays for both current and voltage
- Coarse/fine adjustment knobs for current and voltage
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Color-coded terminals for positive, negative and ground connections
- Size: 5.4"W x 10.7"D x 6.0"H
- Weight: 13.8 lbs. • One-year warranty




Part No. Description 1 10 25
 153242CK 30VDC @ 5A \$234.95 \$211.49 \$190.35

MASTECH

45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 ±10% VAC

Quantity SAVE



301920CK 207706CK 207618CK 211692CK

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920CK	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$99.95	\$94.95
301866CK	HY3003D	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	170.95
207618CK	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	159.95	144.95
207626CK	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	299.95	224.96
207693CK	HY5002	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	189.95	142.46
301938CK	HY3005	2-Digital LED	315	0-30/5	10.5 x 6.5 x 14.3	10	199.95	189.95
301911CK	HY3005D	2-Digital LCD	150	30/5	5.4 x 6.2 x 11.5	13	224.95	213.70
207706CK	HY5003	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	249.95	224.95
207600CK	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	299.95	239.96
207634CK	HY3010	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	399.95	305.00
207685CK	HY3020	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	499.95	449.95


Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211721CK	HY3002-2	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$249.95	\$194.00
211705CK	HY3002D-2	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	202.46
211692CK	HY3003D-2	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	289.95	259.95
211730CK	HY3003-2	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	230.00
211713CK	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	287.95
211684CK	HY3003D-3	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301946CK	HY3005D	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	349.95	332.45
301954CK	HY3005D-3	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	369.95	351.45
301962CK	HY5003-2	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	322.95

150-Watt Power Supply


50VDC @ 3A

- Adjustable voltage/current outputs
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- Input voltage: 110VAC @ 60Hz
- One-year warranty



Part No. Description Color Size (L"xW"xH") Wt. (lbs.) 1 10 25
 163723CK 50VDC @ 3A 3A Dark gray 9.0 x 4.75 x 7.5 12.3 \$143.95 \$136.75 \$129.89

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200W Programmable Switching Power Supplies with PC Interface

- Voltage regulation: ≤10mV load; ≤0.05% line
- Current regulation: ≤5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV_{RMS}; ≤10mA_{ARM}
- Over-voltage/over-current/over-power/over-temperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. • Two-year warranty

Includes: Power cord, operations manual & test leads



INSTEK

Part No. Product No. Description 1 5
 229323CK PSP-2010 0-20V @ 0-10A \$349.95 \$332.45
 229294CK PSP-603 0-60V @ 0-3.5A .. 349.95 332.45

150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
- Voltage and current panel meter • Built-in fan
- Constant voltage and current operation

175265CK: 15VDC @ 10A, 150-Watt

- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Over-voltage, over-current, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning

175257CK: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- Over-voltage protection @ 16.5V • Short-circuit protection @ 27.5A
- Cigarette lighter plug for current output
- LED indicator for power and warning

175249CK: 50VDC @ 5A, 250-Watt

- 5A @ 250V fuse • Input voltage: 110VAC @ 50-60Hz • Isolated ground

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
175265CK	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	\$149.95	\$134.95	\$129.95
175257CK	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	159.95	143.95	129.56
175249CK	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	189.95	179.95	171.49

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

ZapChecker (RF Field Strength Meter)

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electro-magnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 (667817CK) includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.



Totally Unique

- Sensitivity control: 20dB, (10 to 1) signal control range
- Sensitivity: (667796CK) 70uV; (667817CK) 45uV
- Detection modes: LINEAR – for far-field detection of weakest signals: 10dB for ZC-185 and 12dB for ZC-300
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- LED display indicators
- Approximately 80 hours of battery life (2 x AA batteries) • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Description	Frequency	1	10
667796CK	ZC-185	3MHz-5GHz ...	\$158.95	\$150.95
667817CK	ZC-300	1MHz-8GHz	\$398.95	\$370.45

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs. • One-year warranty



Part No.	Description	1	10
131764CK	Digital light meter	\$99.95	\$89.95

Digital Sound Level Meter

- Type 2 meter with manual data store; recalls up to 99 readings
- High accuracy
- AC/DC analog output
- Wide decibel range: 25dB to 130dB
- Max/min recording with elapsed time stamp
- A & C weighting
- Large 2000 count LCD display with analog bargraph
- 0.5" condenser microphone
- Size: 10.3"H x 2.6"W x 1.0"D

EXTECH INSTRUMENTS



Part No.	Product No.	1	5
645642CK	407730	\$75.15	\$71.29

Temperature/Humidity Meter with Min/Max Memory

- Displays (%) relative humidity and temperature (°C/°F) simultaneously
- Min./Max. memory on both relative humidity and temperature with reset function
- Humidity range: 10% to 99% • 1" high readout

Includes: Built-in tilt stand, AAA battery, and wall mounting bracket

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Temperature Range	Size (L" x W" x Thick")	1	10	25
198045CK	445703	14°F to 140°F (-10°C to 60°C)	4.3 x 3.9 x 0.8	\$36.95	\$35.09	\$33.35

Non-Contact Infrared Thermometers w/ Laser Pointer

- Built-in laser pointer identifies target area
- Field of view: 6:1 (6" distance measures 1" target)
- Automatic data hold when trigger released and auto power off
- Fixed 0.95 emissivity covers 90% of surface application

Includes: 9V battery

236451CK:

- Temperature range: -4°F to 500°F (-20°C to 260°C)
- Basic accuracy: ±3% of reading
- Backlighting illuminates display while measuring at night or in areas with low light levels
- Size: 6.7"L x 1.7"W x 1.6"D

211588CK:

- Temperature range: 0°F to 600°F (-20°C to 320°C)
- Basic accuracy: ±2% of reading
- 2000-count backlit LCD display
- Audible and visible over-range indicators
- Size: 8.3"L x 3.5"W x 1.5"D

Part No.	Product No.	1	10
236451CK	42500	\$74.95	\$67.49
211588CK	42529	88.95	84.50



Hygro/Infrared Thermometer

Combination humidity meter plus infrared thermometer features a super large backlit dual display. The primary display is user selectable for IR or humidity, while the secondary display always displays ambient temperature. The infrared thermometer has a built-in laser pointer with an 8:1 distance to target ratio.

- °C/°F • Auto power off
- Data hold and MAX
- Humidity ranges: 10.0 to 95.0% with ±3.5% accuracy
- Air temperature ranges: -4°F to +140°F (-20°C to +60°C) with ±3°F (2°C) accuracy
- IR temperature ranges: -58°F to +932°F (-50°C to +500°C); ±2% or ±4°F (2°C) accuracy
- Size: 2.8"W x 1.4"D x 5.9"H • Weight: 0.5 lbs.

Includes: Stand, holster, probe, battery and case

Part No.	Description	1	5
285974CK	Hygro/infrared thermometer	\$132.95	\$123.29



Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- Built-in laser pointer to improve aim
- °F/°C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- 6:1 field of view
- Pocket size meter
- Data hold and max hold
- Size: 3.8"L x 2.0"W x 0.9"D

Includes: 2 AA batteries

Part No.	Description	1	5
219361CK	Pocket IR thermometer	\$59.99	\$56.99

EXTECH
INSTRUMENTS

Best Seller!



Mini Thermo-Anemometer

Waterproof, pocket size with air velocity, temperature and windchill, all in one. Ideal for checking blowers, fans, exhaust hoods and balancing AC/HT ducts.

- 0°F to 122°F (-18°C to 50°C)
- Measures wind speed in ft/min, MPH, m/s, km/h, knots and Beaufort force
- Large dual display for air velocity and temperature
- Water resistant housing floats and drop tested to 6'

Includes: CR2032 lithium battery and lanyard

Part No.	Product No.	1	5
218085CK	45118	\$88.95	\$84.49

EXTECH
INSTRUMENTS



RS-232 Mini-Tester with Status LEDs

Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR.

LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.

Part No.	Description	1	10	100
26729CK	Mini-tester	\$11.95	\$10.76	\$9.68



RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20.

Connectors: male to female DB25.

Part No.	Description	1	10	100
14285CK	Check line tester ..	\$8.95	\$8.09	\$7.25



RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts

Part No.	Description	1	10	100
105195CK	Tri-port serial adapter ..	\$7.95	\$6.95	\$5.95



Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained.

Connectors: male to female DB25.

Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181CK	Breakout box	\$8.95	\$7.95	\$6.95



Flexible Multilink RS-232 Tester & Breakout Box



Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance.

Complete cable "breakout" and reconfiguration. Connectors: DB25 male & DB25 female.

• Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H

Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945CK	Tester/breakout box ..	\$22.95	\$19.95	\$17.95

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections.

PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.

- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

Includes: 9V battery

Part No.	Product No.	Price
652480CK	1577	\$164.95



Paladin Tools®

How to Test Almost Everything Electronic

TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

• Size: 7.4" x 9.3" • Weight: 1.3 lbs.

Part No.	Description	1	10
126199CK	How to Test Everything	\$17.95	\$16.15



Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type CATV coax cables.

- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- Tests cable lengths from 3 ft. to 600 ft.
- Size: 3.25"H x 2.0"W x 1.25"D
- Includes 2 AAA batteries



Low Cost!

Part No.	Product No.	Price
645634CK	CT100	\$28.49

LANtest Network and Modular Cable Tester

- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/568B and token ring cable.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power



Part No.	Product No.	1	10	50
615136CK	45-5767-0000	\$115.79	\$104.24	\$93.82

◆ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Jameco's Got the Docs

We offer free technical documents for most of the products we carry.

Find them easily on the product specification pages at www.Jameco.com.

Professional Electronic Technician Tool Kits for Every Situation!

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- Tweezers
- Driver handle
- Compact carrying case
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H
- Weight: 1.5 lbs.



Part No.	Description	1	10	25
170069CK	26-pc. SAE tool set	\$17.95	\$16.16	\$13.69

51-Piece Tech Tool Kit

Essential kit for electronic machine maintenance and repair jobs!

- In addition to the tools listed in the matrix right, the kit includes:
 - 2 nut drivers
 - Solder pen
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H
- Weight: 10.4 lbs.



Part No.	Description	1	5
26681CK	51-piece tool kit	\$94.95	\$75.95

55-Piece Tech Tool Kit

An assortment of tools for general & precision work for technicians, engineers, students, etc.

- In addition to the tools listed in the matrix right, the kit includes:
 - Screwdriver handle
 - 6-pc mini-hammer set
 - 5-pc of double edge blade
 - PLCC extraction tool
- Outer velcro pockets to store paperwork, etc.
- Complete your assortment with a multimeter (See pages 263-267)
- Size: 17.6"L x 12.8"W x 4.0"H
- Weight: 9.2 lbs.

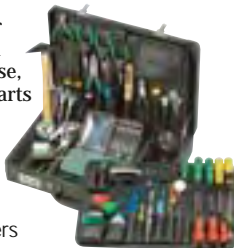


Part No.	Description	1	5
136311CK	55-piece tool kit	\$128.95	\$112.46

57-Pc. Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- In addition to the tools listed in the matrix right, the kit includes:
 - 5" & 6" side cutter
 - 5" & 6" long nose pliers
 - 8" combination pliers
 - 9.5" water pump pliers
 - Alignment driver
 - Parts tube
 - 5-piece file set
 - 6" stainless scissors
 - Testing driver
 - Solder wick
 - PVC insulated tape
 - Oil can
 - Carpenter hammer
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H
- Weight: 16.0 lbs.



Part No.	Description	1	5
218245CK	Master electronic tool kit	\$128.95	\$121.65

Claw Clips and Alligator Clips

• Sold in increments of 2, 4 or 10

Part No.	Description	Size (L"xW")	2	4	10
248920CK	Mini-alligator clip solder/crimp	1.2 x 0.3	\$.28	\$.25	\$.23
248954CK	Red insulator for 248920CK	—	.15	.13	.11
248946CK	Black insulator for 248920CK	—	.15	.13	.11
256524CK	Alligator clip, barrel/screw	1.9 x 0.2	.45	.38	.35
248938CK	Alligator clip, solder/crimp	1.6 x 0.3	.52	.48	.42
248971CK	Red ins. for 248938CK/256524CK	—	.29	.27	.25
248962CK	Blk. ins. for 248938CK/256524CK	—	.23	.21	.18
248989CK	Claw clip 10A, screw terminal	2.1 x 0.4	.55	.49	.45
249009CK	Claw clip 20A, screw terminal	2.5 x 0.5	.55	.52	.50

• Blue Part No. = Limited Quantity Available



100-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!

- In addition to the tools listed in the matrix below, the kit includes:
 - Computer/polarity circuit tester
 - Mini vacuum cleaner
 - Cassette head cleaning fluid
 - 3.6V cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H
- Weight: 15.5 lbs.



Part No.	Description	1	5
242851CK	100-piece tool kit	\$199.95	\$189.95

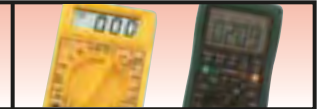
114-Piece Tech Service Tool Kit

- In addition to the tools listed in the matrix below, the kit includes:
 - 40-pc socket pack
 - 6" side cutter
 - 6" long nose pliers
 - 6" slip joint pliers
 - carpenter hammer
 - 3 piece trimmer set
 - stainless steel spring hook
 - solder wick
 - 8" combination pliers
 - 2 removable pallets
- Size: 18.5"L x 13.8"W x 6.7"H
- Weight: 22.8 lbs.



Part No.	Description	1	5
149024CK	114-piece tool kit	\$279.95	\$251.99

Complete your assortment with a multimeter.
See pages 264-267.



Quick-Reference Table of Professional Tool Kit Contents

Parts included in kits	26681CK	136311CK	218245CK	242851CK	149024CK
3-prong holder		1	1	1	1
Anti-static strap		1		1	1
Brush	1	1	1	1	1
Crimping tool		1 (7-way)	1	1	1
Desoldering pump	1	1	1	1	1
Digital Multimeter	1			1	
Drill set					1
Files, needle	2-pc			6-pc	5-pc
Flashlight		1	1	1	1
Forceps					1
Heat sink		1	1		1
IC extractor		1	1		1
Inspection mirror			1		1
Measuring tape, 10-foot	1		1		1
Pliers, 8" lineman		1		1	
Pliers, bent needle nose	1	1	1	1	1
Pliers, diagonal cutter	1	1		1	1
Pliers, flat nose	1	1		1	1
Pliers, snipe nose					1
Scissors	1		1	1	
Screwdriver set	8-pc	3-pc	8-pc	12-pc	9-pc
Screwdrivers, precision	6-pc	6-pc	6-pc	6-pc	6-pc
Solder core		1	11	1	1
Soldering aid kit, 3-pc	1	1	1	1	1
Soldering iron	1	1 (30W)	1 (30W)	1 (30W)	1 (25W)
Soldering stand	1		1	1	
Tape, electrician				1	1
Tweezers	1	2	1	1	1
Utility components box	1	1	1	1	1
Utility knife	1	1	1	1	
Wire stripper					1
Wrench, adjustable		1	1	1	1
Wrench, hex key	7-pc	7-pc	7-pc	7-pc	7-pc
Wrench set			6-pc	5-pc	10-pc
Total Pieces	51	55	57	100	114
Price	\$94.95	\$128.95	\$128.95	\$199.95	\$279.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Economy Tool Kits for Every Budget!

11 & 12-Piece Lightweight Computer-Service Tool Kits

- Both kits include:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers



167206CK

167206CK: 11-Piece Tool Kit

- In addition this kit includes:
 - Clear components, tube holder
- Size: 8.5"L x 5.9"W x 1.3"H
- Weight: 1.1 lbs.



14189CK

14189CK: 12-Piece Tool Kit

- In addition this kit includes:
 - 14-16 pin IC inserter/straightener
- Size: 9.0"L x 5.8"W x 1.3"H • Weight: 1.2 lbs.

Part No.	Description	1	10	25
167206CK	11-piece tool kit	\$12.95	\$11.49	\$9.95
14189CK	12-piece tool kit	16.95	15.26	13.73

24-Piece PC Premium Tool Kit

- 3.2mm x 75mm slotted screwdriver
- #0 x 75mm Phillips screwdriver
- 3 prong holder
- Spring tweezer
- Spare parts tube
- IC extractor
- Torch
- Extension bar for ratchet bits
- Adjustable ratchet screwdriver
- Side cutter pliers
- Long nose pliers
- 5mm and 7mm slotted bit
- #1 and #2 Phillips bit
- T10, T15, T20, T25, and T30 Torx bit
- 1/4" and 3/16" nut
- Socket adapter
- Size: 8.4"L x 5.9"W x 1.4"H • Weight: 1.3 lbs.



Part No.	Description	1	5
226085CK	24-piece premium tool kit	\$17.95	\$14.36

40-Piece Electronic Tech Tool Kit

- The kit includes:
 - Wire cutters/stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - Potentiometer alignment tools
 - T10-T25 reversible Torx screwdriver bits
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - 10-pc screwdriver set
 - Extra long 3-claw parts holder
 - IC inserter w/ pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.



Part No.	Description	1	10	25
119183CK	40-piece tool kit	\$21.95	\$19.76	\$15.80

Aluminum Tool Case

This heavy-duty case is made of lightweight durable aluminum. A single inside panel and adjustable compartments easily carry hand tools, small soldering equipment, hand-held test equipment, and more.

- Size: 19"L x 14"W x 6"D



Part No.	Description	1	5
261884CK	Tool case	\$49.95	\$44.95

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.

- Size: 19"L x 14"W x 6"D



Part No.	Description	1	5
261876CK	Tool/equipment case	\$51.39	\$44.15

Kwik Change Tool/Parts Tote

Versatile storage tote for organized storage space. Front drop panel reveals four slide-out storage boxes and includes two interchangeable racks and one double deep rack. Bulk storage beneath lid for larger tools and exterior rack for small tool storage. Ruler on front for added convenience.



- Size: 20.5"H x 12"W x 14.5"D
- Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
261892CK	Tool/parts tote	\$44.95	\$42.75

2-In-1 Zippered Tool Bag

A high-quality tool tote case that can be used as two separate bags or zipped together as one case. The first bag has two large pouches for documents and paperwork or large items. The second bag contains 20 pockets for tools.



- Size: 16"L x 12"W x 2.5"D

Part No.	Description	1	5
261868CK	Tool/tote case	\$24.25	\$22.09

vellman

Double Layer Nylon Tool Bag

This nylon tool bag provides enough space to carry your tools anywhere. Zippered bottom panel for long flat tools, 8 external pockets and 4 internal pockets for everyday use tools.

- Material: double layer rugged nylon
- Color: light brown and green



Part No.	Product No.	Size	1	5
645511CK	VTBAG2	15.5" (38.1 x 19 x 30.5cm)	\$39.95	\$37.45

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle; 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord



Part No.	Product No.	Wt. (lbs.)	1	10
191943CK	6966C	1.2	\$119.95	\$107.95

1000-Watt Heat Gun

- Dual heat setting: 600°F/1100°F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts
- Input voltage: 110-120 VAC



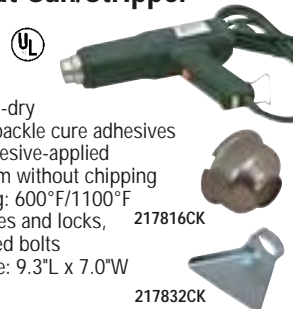
Part No.	Description	1	6	12
254924CK	Heat gun	\$45.95	\$44.39	\$39.79

Open an account with us to consolidate your monthly billing and to save time.

Heat Gun/Stripper

Dual-Setting

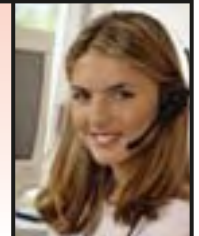
- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed • Size: 9.3"L x 7.0"W
- Weight: 1.8 lbs.



Part No.	Description	1	10	25
76865CK	Heat gun	\$39.95	\$35.95	\$31.95
217816CK	Heat shrink attachment	1.95	1.85	1.75
217832CK	Air spreader	1.95	1.66	1.24

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Adjustable Cordless Screwdriver

- Adjustable handle can be used folded or unfolded
- Thumb switch for reverse and forward action
- No load speed: 180 RPM
- 3.6V rechargeable battery
- Clutch operating torque from 4 to 21kg-cm
- Size: 10.5"L x 1.5" Dia. • Weight: 1.6 lbs.

Includes: 6VDC @ 300mA power supply and screwdriver bits, slotted and Phillips

Part No.	Description	1	10
176680CK	Cordless screwdriver \$36.95		\$33.26

Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	10	25
26702CK	MS398 drill 0.8 ...	\$29.95	\$26.95	\$23.95	
26711CK	MS399 stand 1.8	21.95	19.75	17.55	

32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829CK	32-piece security bit set .. \$11.95		\$10.75

9-Piece Assorted Drill Bit Kit

- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes



Part No.	Description	1	10	50
131676CK	9-piece drill bit kit \$9.95		\$8.95	\$7.95

High-Speed Steel Step Drill Bits

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

229657CK: • Shank size: 3/8" • 2.4" long
172401CK: • Shank size: 1/4" • 2.5" long

Part No.	Description	1	10	25
229657CK	3/16" - 7/8" 13-step \$14.95		\$13.45	\$12.40
172401CK	3/16" - 1/2" 6-step 9.95		8.95	7.95

Loctite Hot Melt Glue Gun & Glue Sticks

The Loctite® Hysol® 050-LITE is a lightweight handheld hot melt applicator which utilizes a finger actuated trigger mechanism to positively grip and advance all Loctite Hysol 1/2" diameter hot melt sticks.



- Fixed precision temperature setting: 392°F (200°C)
- Adhesive: 1/2" diameter glue sticks
- Melt rate output: up to 1lb. / hour
- Voltage: 100/240VAC@50-60Hz (self adjusting)
- Power: 20 to 500 watts (self regulating)
- Size: 8.0"L x 1.3"W x 6.6"H • Weight: 0.8 lbs.

Part No.	Product No.	Description	Price
667577CK	98029	Hot Melt glue gun \$37.39	

Part No.	Product No.	Description	1	5
667585CK	83383	White glue stick \$14.09		\$13.39
667606CK	83273	Tan glue stick 8.79		8.35

Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included)
- Size: 7.3"L x 6.3"W



Part No.	Description	1	10	25
72696CK	Glue gun \$9.95		\$8.96	\$8.06
78633CK	Glue sticks (6/pk) 3.15		2.84	2.55
176292CK	Glue sticks (10/pk) 4.95		4.29	3.79

PC Board Drill Bits

- Reconditioned carbon steel bits
- High quality long lasting cutting edge • Shank dia.: .125"
- Use for drilling holes in glass PC boards



Part No.	Drill Dia.	No.	Application	1	10	100
16619CK	.021"	75	Misc.	\$1.55	\$1.40	\$1.26
16580CK	.040"	59	Plated thru holes ..	1.75	1.58	1.42

Twin Wrench Driver Set

The handle of this twin wrench driver set has two tips, horizontal and vertical for those hard-to-reach areas.



- Non-slip double ended driver
- Three slotted bits: 4mm, 5mm, and 6mm
- Phillips bits: #1 and #2 • Pozi bits: #1 and #2
- Torx bits: 10mm, 15mm, and 20mm

Part No.	Description	1	10
223811CK	Twin wrench driver set \$2.59		\$2.34

6-Pc Long-Neck Screwdriver Set

- Three slotted: 0.09"Dia. x 6.6"L 0.12"Dia. x 6.6"L 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L



Part No.	Description	1	10	50
99451CK	6-pc. screwdriver set \$8.95		\$8.06	\$7.25

JAMECO Pocket Screwdriver

Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage



Part No.	Description	1	10	100
127271CK	Pocket screwdriver \$1.55		\$1.45	\$1.19

11-Pc Precision Screwdriver Set

- 0.9, 1.2, 1.4, 1.8, 2.4 and 3mm slotted screwdrivers
- Phillips #00, #0 and #1 screwdrivers
- Awl • Magnetic pick-up



Part No.	Description	1	5
226093CK	Precision screwdriver \$4.49		\$4.29

7-Piece Insulated Screwdriver Set

- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips



Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999CK	Screwdriver set \$17.35		\$15.85

6-Pc Precision Torx Screwdriver Set

- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T19 x 50mm Torx hex screwdrivers



Part No.	Description	1	5
226106CK	Precision TORX screwdriver \$12.95		\$12.29

6-Pc Precision Screwdriver Sets

34041CK includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059CK includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers



Part No.	Description	1	10	50
34041CK	Slotted set \$3.59		\$3.23	\$2.91
34059CK	Phillips set 3.59		3.23	2.91

7-Piece Nut Driver Sets

- Premium hardened steel sockets
- Large colored handles

261850CK: Metric
5mm, 6mm, 8mm, 9mm, 10mm, 11mm & 13mm

261841CK: SAE
3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"



Part No.	Description	1	5
261850CK	Metric nut driver set \$8.99		\$8.65
261841CK	SAE nut driver set 9.89		9.49

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business day shipment

6-Piece Screwdriver & Pliers Set

- One micro cutting nipper
- One micro flat nose pliers
- 2 long-neck slotted: 0.12"Dia. x 9.61"L;
- 0.09"Dia. x 7.64"L • 2 long-neck Phillips: No.0, 0.12"Dia. x 9.61"L; No.2, 0.09"Dia. x 7.64"L



Quantity SAVE

Part No.	Description	1	10	50
99565CK	Screwdriver/pliers 	\$13.49	\$11.47	\$8.60

5-Piece Pliers Set

- Precision machined heat-treated jaws
- Vinyl insulated handles

Includes: 6.5" needle nose; 7.5" lineman's; 8" slip joint; 8" groove joint & cutting pliers



Part No.	Description	1	5
261905CK	Pliers set 	\$9.75	\$9.25

Xcelite® Needle Nose Pliers

217891CK (submini needle nose): Serrated jaws

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas



217998CK: Smooth jaws
 • General purpose for pick-up and wire forming


Part No.	Prod. No.	Description	1	10
217891CK	L4R	4" mini needle nose	\$14.95	\$13.69
217998CK	LN54GR	5" thin long nose	14.95	13.46

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:
 One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73120CK	5-piece set 	0.6	\$17.95	\$16.16	\$14.54

Half-Round Long Nose Pliers

- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws



Part No.	Description	1	10	50	100
177607CK	Half-round pliers 	\$4.95	\$4.49	\$3.95	\$3.59

5" Cutting Pliers

Recommended for cutting copper and soft lead wires. Ideal for precise circuit board work. Spring loaded.






Part No.	Description	1	5
261809CK	Cutting pliers 	\$4.99	\$4.55

5.3" Flat and Half-Round Long Nose Pliers

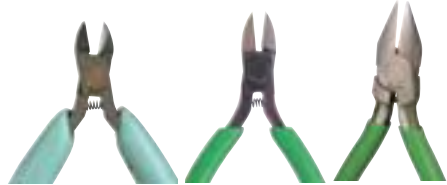
- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose



35473CK/35490CK: Knurl jaws
195531CK: Smooth jaws

Part No.	Description	1	10	50	100
35473CK	Flat long nose 	\$5.49	\$4.94	\$3.95	\$2.96
195531CK	Flat long nose 	5.19	4.64	3.65	2.66
35490CK	Half round 	5.49	4.94	3.95	2.96

Xcelite® Diagonal Cutters



Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort



Part No.	Prod. No.	Description	1	10
217921CK	MS54JR	4" oval head-flush	\$15.95	\$14.36
217955CK	S475JS	4" relieved head-flush ...	14.95	13.46
217904CK	MS549JR	4" tapered head-flush ...	14.95	13.46
217867CK	MS545JR	4" slim line tapered head-flush	14.95	13.46

Cutting Pliers

Flush Cut

- Stainless steel
- Side cutting flush cut
- Leaf spring for smooth controlled action



Part No.	Description	1	5
261788CK	Cutting pliers 	\$6.95	\$6.55

Heavy Duty Tubing Cutter

- Clever design eliminates spiraling, resulting in straight clean cuts with no burrs
- Cuts copper, brass, aluminum tubing and thin-wall conduit up to 1-1/8" diameter
- Fold-away reamer
- Extra cutter wheel stored in body
- Lightweight aluminum body and knob
- Telescopic wheel-feeding mechanism keeps turning radius constant • Length: 4.8"
- Folding deburring blade on backside

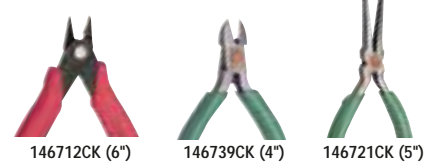


SALE

Part No.	Description	1	5
227475CK	Tubing cutter	\$12.15	\$11.19

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Xcelite® Cutters and Pliers






- Spring returns

146712CK: Micro series wire cutter – flush; 6"

146739CK: Diag. wire cutter – semi-flush; 4"


146721CK: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	10	50	100
146712CK	170M 	\$5.75	\$5.19	\$4.69	\$4.34
146739CK	MS54VR 	13.95	12.95	11.95	11.15
146721CK	MN7776VR 	16.95	15.95	14.95	13.95

Xcelite® Shearcutter/Pliers Set

- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L




Part No.	Product No.	1	10	25
152055CK	S2K 	\$15.95	\$14.95	\$13.95

4" Diagonal Wire Cutter

- Drop forged steel
- Heat treated
- Vinyl grips
- Spring return action
- Polished head
- Length: 4"




Part No.	Description	1	10	50	100
179901CK	Wire cutter 	\$5.49	\$4.94	\$4.45	\$4.00

4.3" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick
- Stainless steel
- Durable rubber handles
- Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade




Part No.	Description	1	10	50	100
35481CK	Wire cutter 	\$5.59	\$4.99	\$4.55	\$3.99

5" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- Insulated handles
- Jaws are designed for flush cutting
- 5.0"L x 1.8"W w/ 0.5" cutting blade



Part No.	Mfr. Cross Ref. No.	1	10	25
161411CK	Wire cutter 	\$7.49	\$6.74	\$6.07

molex® Hand Tools for Mini-Fit™ Jr.



304928CK: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928CK	63811-1000 	Crimp tool	\$42.99	\$39.99
304936CK	11-03-0044 	Extraction tool	19.99	18.99

5" Wire Cutter/Stripper

- Strips and cuts 20-24 AWG wires
- Insulated grips
- Spring loaded for easy use
- Cutter angled @ 45 degrees for use in tight places
- Size: 5.0"L x 3.0"W



Part No.	Product No.	1	10	50	100
159273CK	HT1091	\$5.49	\$4.94	\$4.45	\$4.00

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78991CK: 10-30 AWG (screw adjustable)

215888CK: 10-24 AWG (dial to adjust for wire gauge)



Part No.	Cross Ref. No.	1	10	50	100
78991CK	HT108	\$3.95	\$3.49	\$2.95	\$2.59
215888CK	JE-2022C	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226CK: Premium

- 12-20 AWG stranded; 10-18 AWG solid
- Color: yellow

161234CK: Premium

- 16-26 AWG stranded; 14-24 AWG solid
- Color: red



Part No.	Prod. No.	Description	1	10
161226CK	ID45-215	Cushioned grips ..	\$16.75	\$15.91
161234CK	ID45-216	Cushioned grips ..	17.79	16.91
161218CK	ID45-121	Non-cushioned grips	13.59	12.95

6.6" Wire Stripper

- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W



Part No.	Product No.	1	10	50
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159290CK	HT5023	\$9.95	\$8.96	\$8.06
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7-in-1 Wire-Handling Tool

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W



Part No.	Prod. No.	Description	1	10	50
18796CK	HT1041	10-18AWG ...	\$4.95	\$4.49	\$3.95
127861CK	HT1042	16-26AWG	5.95	5.36	4.82
127870CK	HT1043	22-30AWG	5.49	4.94	4.45

Automatic Wire Strippers

175097CK: Spring load grip

- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

202841CK:

- Size: 6.5"L x 3.0"W
- Weight: 0.3 lbs.



Part No.	Description	1	10	25
175097CK	Strips 8-22 AWG	\$16.95	\$15.26	\$13.73
202841CK	Strips 3-24 AWG	12.45	10.58	7.94

Rotary Coax Cable Strippers

2 and 3 Blade

159118CK (3 Blade):

2 settings RG58/59/62

- For cable sizes 4-10mm

Size: 4.2"L x 1.3"W

Color: black

159185CK (2 Blade):

4 settings RG58/59/62/174

- For cable sizes 4-12mm

Size: 3.9"L x 0.7"W • Color: gray

Includes: Hex key wrench for adjusting blade



Part No.	Product No.	1	10	25
159118CK	HT312B (3 blade)	\$14.65	\$13.19	\$11.55
159185CK	HT332D (2 blade)	13.95	12.56	11.30

Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W • Weight: 0.8 lbs.

Includes: Cut and strip blade



Part No.	Cross Ref. No.	1	10
174684CK	TTK071	\$26.95	\$24.26

Telemaster Modular Connector Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 6.0"L x 2.0"W
- Weight 0.8 lbs.

Includes: Cut and strip blade



Part No.	Product No.	1	10
161091CK	ID30-496	\$39.95	\$36.65

Ratchet Crimp Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 8.5"L x 2.2"W
- Weight: 1.2 lbs.

Includes: Cut and strip blade



Part No.	Cross Ref. No.	1	10
174676CK	TTK070	\$39.95	\$35.99

Professional Modular Connector Crimping Tool

- Spring return action
- 6mm and 12mm stripping guide
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.



Part No.	Product No.	1	10	25
181147CK	HT200	\$54.95	\$49.49	\$44.55

Modular Connector Crimping Tool Set

- 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
- Weight: 2.1 lbs.



Includes: 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C

Part No.	Product No.	1	10	25
73496CK	HT200B	\$74.95	\$67.49	\$60.75

Metal Modular Connector Crimping Tool

- Cable stripper and wire cutter
- Size: 8.0"L
- Weight: 1.8 lbs.
- Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)



Part No.	Description	1	10	25
114526CK	RJ11/RJ45	\$24.95	\$22.49	\$20.25

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.



Part No.	Description	1	10	25
159311CK	RJ45/11/12	\$21.95	\$19.95	\$17.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
114534CK	HT-336G	\$23.95	\$21.59	\$19.45

We're Listening to
What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Product No.	1	10	25	100
99442CK	HT202A	\$9.49	\$8.55	\$7.69	\$6.95

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377CK, 43369CK, pg 119 & 100765CK, pg 136
- Size: 7.0"L x 4.0"W



Part No.	Product No.	1	10	25
159265CK	HT213	\$11.29	\$10.15	\$8.99

Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required • Size: 7.8"L



Part No.	Prod. No.	Description	1	10	25
18809CK	HT204	Nibbling tool	\$7.95	\$7.16	\$6.44
29330CK	HT204B	Replcmnt bit	4.49	4.04	3.64

POP - Rivet Tool

Sets 3/32", 1/8", 5/32" & 3/16" rivets without adjustments.

Simply change the appropriate nozzle, slip the rivet into the pre-drilled hole, and you have a perfect fasten. Spring-loaded handle for automatic ejection of the mandrel.

Blue Part No. = Limited Quantity Available



Part No.	Description	1	5
226114CK	Rivet tool	\$5.05	\$4.59
226288CK	1/8" x 1/4" long rivet (100 pk)	2.19	1.99
226296CK	3/16" x 1/4" long rivet (100 pk)	3.49	2.65

9-in-1 Pocket Multi-Tool

- Bottle opener • Metal file
- Flashlight • Knife blade
- Nail pick • Wire cutter
- 2 handyman/long-nose pliers
- Phillips screwdriver • Folded: 2.75"L

Blue Part No. = Limited Quantity Available



Part No.	Description	1	5
227264CK	9-in-1 pocket multi-tool	\$2.59	\$2.35

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions



Part No.	Cross Ref. No.	Description	1	10	50
115107CK	HEMO1	Straight ..	\$3.49	\$3.14	\$2.83
115115CK	HEMO2	Curved	3.95	3.56	3.20

Connector Compression

Designed to compress ferrules of "F" /BNC/ RCA connectors. Black oxide steel frame with interchangeable die sockets, ratchet mechanism with manual release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.

SALE

Part No.	Description	1	5
261761CK	Compression multi-tool	\$34.95	\$31.45

"F" Connector Compression Tool

Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

- Length: 5"



Part No.	Description	1	5
261753CK	Compression tool	\$29.95	\$28.45

25-Piece Hex Key Set

- 12-piece SAE long arm with sizes from 1/16" to 3/8"
- 13-piece Metric short arm with sizes from 1.5mm to 1cm



Part No.	Description	1	5
261825CK	Hex key set	\$6.95	\$6.59

Automatic Center-Punch Tool

Adjustable

- Precision instrument
- Alloy steel point
- Knurled steel body • Size: 5.0"L x 0.5"Dia.



Part No.	Description	1	10	50
160282CK	Center punch tool	\$5.95	\$5.39	\$4.85

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long



Part No.	Description	1	10	25
151749CK	T-handle reamer tool	\$7.95	\$7.49	\$6.95

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades



Part No.	Description	1	10	25
72768CK	13 blade knife set	\$10.95	\$9.86	\$8.87

Do you need a staple gun or staples? Find them online at www.Jameco.com



4-Piece Adjustable Wrench Set

Heavy-duty carbon steel wrenches with black industrial finish. Constructed with rugged I-beam handle and four-sided jaw design for better fit and strength.

- Length x jaw opening: 12" x 1 3/16"; 10" x 1 1/16"; 8" x 1"; 6" x 1 1/16"



Part No.	Description	1	5
261711CK	Adjustable wrench set	\$9.75	\$8.85

Adjustable Wrench

Made of chrome-plated carbon steel with knurled adjustment screw and angled head. Size: 6"L x 13/16".



Part No.	Description	1	5
261649CK	Adjustable wrench	\$4.15	\$3.69

Combo Wrench Set

- Dropped forged steel
- Combination open closed wrench ends

261489CK:

- 10 sizes: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, and 11mm



319564CK: 11 sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

SALE

Part No.	Description	1	5
261489CK	10-piece combo wrench set	\$7.59	\$6.85
319564CK	11-piece combo wrench set	7.99	7.59

Combination Wrenches

Made from hardened, tempered, drop forged chrome vanadium steel. These wrenches have a straight open end and a 120° offset bi-hexagonal ring.



Part No.	Description	1	5
261702CK	9/16" wrench	\$4.99	\$4.49
261690CK	1/2" wrench	4.99	4.49
261681CK	7/16" wrench	3.99	3.49

Magnetizer/Demagnetizer

Magnetize tips of screwdrivers for easy pick-up of small metal objects; demagnetize tips to prevent electrostatic discharge that will damage electronic components.

- Size: 2.0"L x 2.0"W x 1.2"D



Part No.	Description	1	5
239530CK	Magnetizer/demagnetizer	\$6.29	\$5.66

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 309.



2-Piece Tweezer Set

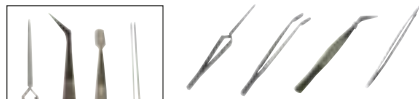
- PVC insulated handles
- Serrated tips for parts handling
- Bent tip and straight rounded tip (wide tip)
- Length: 5.8"



SALE

Part No.	Description	1	10	25
253180CK	Tweezer set	\$2.29	\$2.05	\$1.85

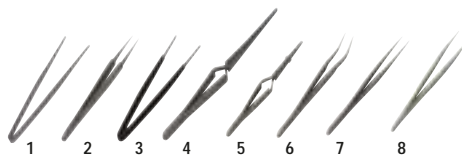
4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735CK	4-piece tweezer set	\$7.95	\$6.95	\$5.95

Tweezers



- 253163CK: Straight, round tapered, wide-point tip
- 252929CK: Straight round tapered, fine-point tip, stainless steel
- 253121CK: Wide-tip, insulated
- 252945CK: Self-closing reverse-action tweezers; wide point tip; stainless steel
- 252937CK: Self-closing reverse-action tweezers; medium point tip; stainless steel
- 253091CK: Curved fine-point tip
- 252911CK: Straight fine-point tip
- 253112CK: Fine-point tip, insulated, anti-static

SALE

Part No.	Length	Photo	1	10	25
253163CK	4.5"	1	\$0.79	\$0.69	\$0.63
252929CK	4.75"	2	2.25	1.99	1.79
253121CK	4.6"	3	.99	.89	.79
252945CK	6.6"	4	1.99	1.79	1.65
252937CK	4.3"	5	2.25	1.99	1.79
253091CK	4.6"	6	2.25	1.99	1.79
252911CK	4.75"	7	2.25	1.99	1.79
253112CK	4.75"	8	2.25	1.99	1.79

12-Piece File Tool Kit

- Fine and coarse file assortment for metal and wood
- 3-piece metal flat; 2-piece metal triangle; 1 each wood round; metal round; wood half-round; metal half-round; metal/wood half-round; and 2 detachable handles



Part No.	Description	1	5
23314CK	12-piece file kit	\$8.55	\$7.75

SALE

8-Piece Steel File Set

- Strong tool steel
- 1 ea. 0.15"Dia., 0.13"Dia., 0.12"Dia., 0.11"Dia. and four 0.22"Dia. (5.65"L)



SALE

Part No.	Cross Ref. No.	Description	1	10
100360CK	FS108F	8-piece file set	\$7.29	\$6.62

Strip-Wrap-Unwrap Tool

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 102 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long



Part No.	Cross Ref. No.	1	10	25
34585CK	HSM30 (Modified)	\$49.99	\$44.99	\$39.99
236785CK	HSR30 (Regular)	29.95	26.95	23.95

30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.



242798CK



Part No.	Description	1	10	25
242801CK	Tool (Regular)	\$17.95	\$16.15	\$14.55
242798CK	Tool (Modified)	19.95	17.95	16.15
242827CK	Replace tip for 242801CK	6.49	5.85	5.29
242819CK	Replace tip for 242798CK	7.49	6.75	5.89
242835CK	Replace stripper assembly	5.49	4.67	3.50

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.



- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H
- Includes: Ground terminal

Part No.	Description	1	10	100
99362CK	IC straightener	\$6.95	\$6.26	\$5.63

33' Magnetic Tip Tape Measure

Retractable measuring tape's case has a rubber finish for easy grip and yellow contrast for easy visibility.



SALE

- 1" wide
- Metric and inches with 1mm and 1/16" scales
- Triple riveted magnetic end hook
- Bottom & side buttons for temporary tape lock
- Front thumb lock for permanent locking of tape measure • Belt clip and strap

Part No.	Description	1	5
261833CK	Measuring tape	\$6.99	\$6.25

Impact Punch-Down Tool

Conforms to AT&T performance specification. Reversible clip-in blade, adjustable spring-loaded impact mechanism and spare blade storage in the handle.



- One-year warranty
- 124142CK: For 66-type bifurcated terminals
- Size: 7.0"L x 1.4"W x 1.1"H
- 124151CK: Blade for 110-type terminals

SALE

Part No.	Description	1	10
124142CK	# 3527 Tool w/ 66 blade	\$47.89	\$43.53
124151CK	110 blade	17.99	16.19

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade
- 175071CK: Tool with blade
- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H
- 324013CK: Tool with blade
- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H
- 175089CK: Punch-down blade 110-type terminals



Part No.	Description	1	10
175071CK	Tool with 66 blade	\$34.95	\$31.46
324013CK	Tool with 110 blade	37.39	33.65
324021CK	Punch-down blade 66	14.95	13.49
175089CK	Punch-down blade 110	14.95	13.49

Digital Display Calipers

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty



Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783CK, pg 228)

Part No.	Description	1	10	25
127482CK	Digital disp. calipers	\$64.95	\$58.46	\$52.61

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver



Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134CK	Metric (.02 mm)	\$29.95	\$26.96	\$24.26
116126CK	Inches (.001 inch)	29.95	26.96	24.26

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

We're committed to providing you with the best service in the industry.

3X, 3-Bulb Magnifying Lamp

Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- 47" long arm
- 2 on/off buttons
- Color: beige
- UL listed
- Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517CK	Adj. magnifying lamp	\$79.95	\$74.95	\$69.95

3X Magnifying Lamps

- 45" extension arm
- Supplied with 22-watt circuline tube
- New wire clip design permits easy installation
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power req.: 110VAC/60Hz
- 3X mag.
- Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829CK	Black lamp	\$59.95	\$53.95	\$49.95
149981CK	White lamp	59.95	53.95	49.95

Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3X magnification
- Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710CK	Magnifying lamp	\$26.49	\$25.19	\$23.89

Precision 5X Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5X magnifying glass with built-in light. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456CK	Magnifying lamp	\$109.95	\$98.95	\$88.95

Jameco's Got the Docs



We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Tweezers with 8X Magnifier

The perfect combination hand tool for professionals working with small objects. Magnifying glass stays in perfect focus with tweezer heads.

- Stainless steel construction
- Precision tip tweezers
- 1.2" diameter 8 diopter lens
- Length: 3.8"

Part No.	Description	1	5
217824CK	Tweezer magnifier	\$6.29	\$5.99

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Size: 2.9"L x 0.6"W
- One-year warranty
- Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	10
88268CK	Vacuum pick & place kit	\$32.95	\$29.65

4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638CK	4-piece tweezer set	\$11.95	\$10.95	\$9.95

PLCC Surface Mount and DIP IC Extractors



- Size: 4.0"L x 2.0"W (both)

Part No.	Product No.	Description	1	10	100
16766CK	HT103B	PLCC ...	\$3.95	\$3.55	\$3.19
16838CK	HT103A	DIP	1.49	1.25	1.09

Anti-Static Equipment

Protective Coiled Grounding Wrist Strap

- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long
- Color: black
- Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34551CK	Anti-static strap	\$6.49	\$5.85	\$5.29

3M Disposable Anti-static Wrist Strap

Disposable wrist strap for one time use and low durability applications. A hypoallergenic adhesive provides 360° contact with the skin to minimize skin-to-band resistance. The conductive adhesive on the copper foil adheres to any convenient electrical ground. A current limiting resistor is fabricated into the plastic ribbon below the wristband. One size fits all.

- Ship along with components and devices such as integrated circuits and computer peripheral cards

Part No.	Product No.	1	10	25
285456CK	3M 2209	\$1.39	\$1.32	\$1.25

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

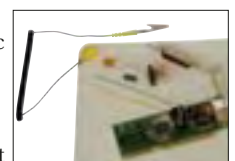
13864CK: 24.0"L x 12.0"W x 0.25"H

* Prepackaged: order in increments of 5

Part No.	Description	1	5
13864CK	Anti-static foam	\$9.29	\$8.35
78668CK	4" x 6" anti-static bags	*	.16
78650CK	8" x 10" anti-static bags	.69	.51

Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



Part No.	Dimensions	Wt. (lbs.)	1	10	100
10575CK	11.3" x 22"	0.7	\$9.95	\$8.96	\$8.06
10583CK	19.5" x 23.5"	1.1	13.95	12.59	11.35
236540CK	23.5" x 27.5"	1.4	24.95	22.49	20.19



45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673CK	XYT379-C	45-Watt soldering station	\$59.95	\$53.95	\$48.95
156814CK	XYB01	Sharp conical chisel 1/32" tip	4.95	4.49	3.95
156822CK	XYB04	Conical chisel 1/16" tip	4.95	4.49	3.95
134631CK	SP715	Replacement sponge	2.99	2.69	2.49



60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at ±6°F
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115CK – below)

Part No.	Product No.	Description	1	10	25
236101CK	XY9-60D/ESD	Digital soldering station – ESD safe	\$109.95	\$99.95	\$89.95
219627CK	XY9-60A	Analog soldering station	99.95	89.95	79.95
168401CK	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583CK	46-060102	Tip .078" for P/N 168401CK	11.95	10.79	9.69
168591CK	46-060115	Tip .590" for P/N 168401CK	12.95	11.69	10.49
236460CK	78-744615	Replacement sponge for both stations	2.99	2.69	2.49

60-Watt Desoldering & Solder/Desoldering Stations



125508CK



125516CK

- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes

125508CK:

- Size: 9.2"L x 7.2"W x 3.6"H
- Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

125516CK/223853CK: Size: 11"L x 10"W x 4.0"H; Wt.: 18.1 lbs.

Includes: XYD12 tip, solder holder, tip cleaner and tweezers

223853CK: Dual display of tip temperature with selector switch for °C or °F and read/set temperature

Special
5% Bundle Savings
Complete ISO 9000 digital station –
P/N 236101CK & 125508CK
Sold separately \$409.90
Combined: P/N 207263CK **\$388.95**

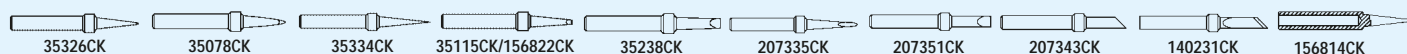
Part No.	Product No.	Description	1	10	25
125508CK	968	Desoldering station	\$299.95	\$269.99	\$242.99
125516CK	988	Solder/desoldering station	399.95	359.99	323.99
223853CK	988D	Solder/desoldering (dual display)	459.95	413.95	372.55
207271CK	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221CK	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583CK	46-060102	Tip .078" for P/N 207271CK	11.95	10.79	9.69
168591CK	46-060115	Tip .590" for P/N 207271CK	12.95	11.69	10.49
236460CK	78-744615	Replacement sponge for all stations	2.99	2.69	2.49

Replacement Sponges for Legacy Models

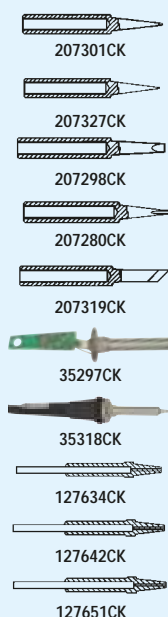
Part No.	Product No.	For Station	1	10	100
134640CK	SP815	168-3C	\$2.99	\$2.55	\$1.95
134631CK	SP715	XY-60D, XY-379 & P/N 229673CK	2.99	2.69	2.49

See page 288 & 292 for chemicals & other accessories to assist you in your soldering projects.

Tips & Replacement Parts for XYTRONIC Soldering and Desoldering Products



			For XYTronic Model Numbers (*Legacy Models)															
Part No.	Cross Ref. No.	Description	168ESD	168*	200CK, 200PHG	379	XY960A, AESD 168SD	940D*	968	988	999SDM*	JS239*	168-3C	268D*	Pricing			
															1	10	25	
35326CK	XY401	Soldering tip - conical bevel 1/32"			✓	✓		✓	✓			✓	✓	✓		\$4.49	\$3.95	\$3.65
35078CK	XY402	Soldering tip - semi-chisel 1/32"			✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35334CK	XY403	Soldering tip - conical sharp 1/64"			✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35115CK	XY404	Soldering tip - conical chisel 1/16"			✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35238CK	XY405	Soldering tip - semi-chisel wide 1/8"			✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
207335CK	XY406	Soldering tip - long conical chisel 3/64"			✓	✓		✓	✓			✓	✓	✓		2.95	2.69	2.39
207351CK	XY410	Soldering tip - chisel 3/16"			✓	✓		✓	✓			✓	✓	✓		2.95	2.51	1.88
207343CK	XY411	Soldering tip - wedge 3/16"			✓	✓		✓	✓			✓	✓	✓		2.95	2.69	2.39
140231CK	XY430	Soldering tip - SMD flat pack 7/32"			✓	✓		✓	✓			✓	✓	✓		8.95	7.95	7.25
156814CK	XYB01	Soldering tip - sharp conical chisel 1/32"	✓				✓			✓						4.95	4.49	3.95
207301CK	XYB02	Soldering tip - conical semi-sharp 1/32"	✓				✓			✓						4.95	4.21	3.16
207327CK	XYB03	Soldering tip - conical sharp 1/64"	✓				✓			✓						4.95	4.49	3.95
156822CK	XYB04	Soldering tip - conical chisel 1/16"	✓				✓			✓						4.95	4.49	3.95
207298CK	XYB05	Soldering tip - semi-wide chisel 1/8"	✓				✓			✓						4.95	4.21	3.16
207280CK	XYB06	Soldering tip - long conical chisel 3/64"	✓				✓			✓						4.95	4.49	3.95
207319CK	XYB30	Soldering tip - wedge blade 3/16"	✓				✓			✓						8.95	7.61	5.71
35297CK	XY37	Heating element - (nichrome)			✓	✓		✓				✓		✓		20.95	18.95	16.95
35318CK	XY48	Assembly - 60W w/ nichrome heater			✓	✓		✓				✓		✓		30.95	27.95	24.95
127634CK	XYD10	Desoldering tip - 1.0mm (.0394")						✓	✓			✓				8.95	7.95	7.25
127642CK	XYD12	Desoldering tip - 1.2mm (.0472")						✓	✓			✓				8.95	7.95	7.25
127651CK	XYD15	Desoldering tip - 1.5mm (.0586")						✓	✓			✓				8.95	7.95	7.25



Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Prod. No.	Description	1	10
146595CK	WLC100	Soldering station	\$48.95	\$44.09



Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

Part No.	Prod. No.	Description	1	10
146608CK	ST1	Screwdriver tip 1/16"	\$5.95	\$5.35
146616CK	ST3	Screwdriver tip 1/8"	5.95	5.35
192145CK	ST6	Screwdriver tip .031"	5.25	4.75
146624CK	ST7	Conical tip 1/32"	5.95	4.95

Weller® 42-Watt Controlled-Output Soldering Station

- Transformer powered soldering station complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552CK	WTCPT	Solder station	\$129.95	\$124.95
192161CK	TC201T	Replac. iron	68.95	62.05
192170CK	PTA6	.062" screwdriver tip (600°F)	6.95	6.25
192188CK	PTA7	.062" screwdriver tip (700°F)	5.69	5.15
192196CK	PTA8	.062" screwdriver tip (800°F)	5.69	5.15

KYTRONIC® 60-Watt Analog Display Soldering Station

Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115CK, pg 284)

236460CK: Replacement sponge

Part No.	Product No.	1	10	25
236110CK	168-3C	\$89.95	\$79.95	\$72.95
236460CK	78-744615	2.99	2.69	2.49



HAKKO

Soldering Stations and Accessories

Superior quality soldering, desoldering tools and a wide assortment of accessories and related equipment for the electronics, industrial and hobby industries.

Soldering and Desoldering Stations

- Gun-style Desoldering Station
- Cordless Soldering Iron
- Portable Desoldering Tool w/ a Built-in Vacuum Pump

Tips

- Chisel and conical fits
- Nozzles

Tools and Accessories

- Heat Guns
- Wire
- Micro cutters

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Our Complete Hakko Soldering Stations and Irons Offering at www.Jameco.com/Prod/Hakko

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F
- ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461CK	WES51	Analog	\$115.95	\$105.95
233533CK	WESD51	Digital	158.95	150.99



Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered

Part No.	Prod. No.	Description	1	10
16774CK	ETA	Screwdriver 1/16"	\$6.95	\$6.25
16782CK	ETJ	Long screwdriver 1/32"	6.95	6.25
16803CK	ETR	Narrow screwdriver 1/16"	6.95	6.25
16811CK	ETS	Long conical 1/64"	6.95	6.25

Part No.	Prod. No.	Description	1	10
16774CK	ETA	Screwdriver 1/16"	\$6.95	\$6.25
16782CK	ETJ	Long screwdriver 1/32"	6.95	6.25
16803CK	ETR	Narrow screwdriver 1/16"	6.95	6.25
16811CK	ETS	Long conical 1/64"	6.95	6.25

SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F • 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.095" tip

Part No.	Description	1	10	25
168410CK	Tweezer iron	\$59.95	\$53.95	\$48.95
168583CK	Tip .078"	11.95	10.79	9.69
168591CK	Tip .590"	12.95	11.69	10.49



65-Watt Soldering Station with Micro Soldering Pencil

The micro soldering pencil has the shortest tip-to-grip distance on the market today, giving you excellent control by putting you closer to the work. The heating element is contained in the pencil rather than the tip so you do not throw away a good heater every time you wear out a tip.

- Fast heat-up and thermal recovery
- Tips are secured to the pencil by use of a threaded end, eliminating the use of a barrel nut
- Temperature is reduced to 300°F (150°C) when pencil is not used for 20 minutes. Unit is switched off after 60 minutes of inactivity
- ESD safe to protect sensitive components
- Voltage: 120V input; 24V output
- Temperature range: 150°F-850°F (66°C-454°C)
- Temperature accuracy: ±9°F (±5°C)
- Temperature stability: ±10°F (±6°C)

Includes: WSLPU power unit, WMP soldering pencil with NT1 tip, and WMPH iron stand

Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
227408CK	WSL	\$255.95	\$237.95

Weller® Soldering Tips

Replacement Tips for WSL

Part No.	Prod. No.	Description	1	5
233576CK	NT1X	0.8mm bent round	\$10.45	\$9.95
233550CK	NTA	0.6mm chisel	8.59	8.29
233541CK	NT1	0.25mm micro	9.99	8.29

SMD Rework Station

- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Long-life ceramic heating element
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature
- Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element • Weight: 2.6 lbs

Part No.	Description	1	10	25
224629CK	Rework station	\$89.95	\$80.99	\$72.85
168583CK	.078" tip	11.95	10.79	9.69
168591CK	.590" tip	12.95	11.69	10.49



See page 317 for our ESD-Safe, Lead-Free Soldering Station



16 to 30-Watt Variable Soldering Iron, Stand & Sponge

116572CK:
• Length: 7.5"

36329CK:
• Black anodized steel base – 5.3"L x 3.3"W
• See below for replacement sponge (P/N 134631CK)
• Fits most soldering irons .85" diameter

Includes: Sponge

Part No.	Description	1	10	100
116572CK	Soldering iron	\$16.95	\$15.29	\$13.75
36329CK	Soldering stand	4.95	4.46	4.01
134631CK	Sponge (for P/N 36329CK)	2.99	2.69	2.49



Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 284)
- Length: 8.0"
- One-year warranty
- UL listed

Includes: 1.6mm conical tip

Part No.	Description	1	10	25
129040CK	25W solder. iron	\$11.49	\$10.35	\$9.35

Weller® High-Quality 25-Watt & 35-Watt Soldering Irons

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz

Includes: Power cord & ST3 tip (pg 285)

Part No.	Product No.	Description	1	10
170587CK	WP25	25W solder iron	\$32.95	\$31.35
192102CK	WP35	35W solder iron	39.95	35.95
192153CK	PH25	Solder iron stand	17.59	16.69

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- Length: 6"
- Weight: 0.7 lbs.
- 120VAC @ 60Hz input

Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Prod. No.	Description	1	5
192081CK	W100PG	Solder iron	\$62.95	\$59.79
192090CK	CT6F7	.375" scrwdrv tip	8.59	7.75

Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	10	25
207239CK	Handivac tool	\$19.99	\$17.99	\$16.19
207247CK	Pen vac tool	37.95	34.25	30.49

Special! Low-Cost Irons

30-Watt Soldering Iron and Stand

- UL approved
- Ideal for precision work
- 1/4" removable tip
- Length: 8.3"
- 110-120VAC

Part No.	Description	1	10	100
102461CK	30W soldering iron	\$4.99	\$4.49	\$4.04
116020CK	Replacement tips (2)	2.25	1.91	1.43
36329CK	Soldering stand	4.95	4.46	4.01

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC

Part No.	Description	1	10	100
208987CK	35W soldering iron	\$2.99	\$2.69	\$2.45
208995CK	Replacement tips (2)	.99	.89	.79
209074CK	Solder roll, 8mm (.031")	6.35	5.69	5.15



Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

- 25W, 40W, & 60W
- Length: 9"
- 120VAC; 6' cord with 3-prong plug

Tips for 224611CK/224602CK:

226000CK chisel; 226018CK conical

Tips for 195223CK:

226026CK chisel; 226034CK conical

Part No.	Product No.	1	10	25
224611CK	200PHG-25W	\$7.95	\$7.15	\$6.45
224602CK	200PHG-40W	8.95	8.06	7.25
195223CK	200PHG-60W	13.95	12.49	12.11
226000CK	44-240517 tip	.95	.85	.79
226018CK	44-240513 tip	.95	.85	.79
226026CK	44-240617 tip	1.95	1.79	1.59
226034CK	44-240603 tip	1.95	1.79	1.59

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Prod. No.	Description	1	5
152207CK	PSI-100K	Tool kit	\$79.95	\$75.95

Butane-Powered Cordless Soldering Iron and Tips

Quantity SAVE



This butane-powered soldering iron is designed for many popular cordless applications. Most common are automotive repair, aviation, electrical components, field repair, shrink tubing, television repair and more.

- Cordless, simple operation in the shop or field
- No electrical interference
- Automatic ignition
- Up to 200 minutes of operation in a full load
- Soldering temperature range: 240°F to 1000°F
- Torch temperature: 2400°F

Part No.	Cross Ref. No.	Description	1	5
255265CK	PRO-120	Soldering iron	\$44.95	\$42.69
262107CK	S-30	Tip, deflector	1.19	1.09
255273CK	PS-1	Tip, 1/32" flat	8.35	7.95
255290CK	PS-2	Tip, 3/32" flat	8.99	8.75
255302CK	PS-3	Tip, 1/8" flat	8.99	8.75
255311CK	PS-4	Tip, 3/16" flat	8.99	6.74
255329CK	PS-5	Tip, 1/32" chisel	8.99	6.74
255337CK	PS-6	Tip, 3/32" chisel	8.99	8.75
255361CK	PS-9	Tip, hot knife	8.99	8.75
255370CK	PS-10	Tip, hot blower	8.99	8.75

Weller® Butane Powered Cordless Soldering Iron

- Cordless, simple operation
- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Prod. No.	Description	1	10
645520CK	GASIRON2	Soldering iron	\$29.55	\$28.15
645554CK	GASIRON2/SPB	Replacement tip	1.79	1.69

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783CK	Power Pro cordless iron	\$61.95	\$58.85

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available









19254CK:

- UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.

19166CK: Size: 7.8"L x 0.8"Dia.

305218CK/305226CK: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19254CK	Electric desolder pump 	\$26.95	\$23.95
19166CK	Manual desolder pump 	4.95	4.49
305218CK	Manual desolder pump 	18.95	17.99
305226CK	Man. desolder pump (ESD safe) 	14.75	13.99
19262CK	1 tip for 19254CK 	4.95	4.49
22091CK	2 tips for 19166CK 	4.49	3.95
307774CK	1 tip for 305218CK	4.55	4.35
307782CK	1 tip for 305226CK	2.39	2.27

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.



Part No.	Description	1	10	100
169551CK	Spool & iron stand 	\$16.95	\$15.29	\$13.75

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.




Part No.	Description	1	10	100
141760CK	Solder spool stand 	\$8.95	\$7.95	\$6.95

Vacuum Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up • Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. • One-year warranty



Part No.	Cross Ref. No.	1	5
262115CK	GV-300 	\$47.19	\$44.85

Clamp Vise

- No tools needed – finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W • Weight: 2.1 lbs.



Part No.	Description	1	10
127167CK	Clamp vise 	\$17.95	\$16.99

PANAMSE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up • Weight: 3.3 lbs.
- Size: 5.0"L x 4.0"W x 6.3"H • One-year warranty







Part No.	Product No.	1	10
27131CK	M381 	\$55.95	\$53.25

Solder Bars

- Used with solder pots
- Size: 13"L x 0.9"Dia.
- 176057CK: 60/40 170464CK: 63/37
- 668406CK: 99.3% tin, 0.7% copper
- 668414CK: 96.3% tin, 3.2% silver, 0.5% copper





Part No.	Description	Wt. (lbs.)	1	10	25
176057CK	60/40 	1.1	\$8.49	\$7.65	\$6.89
170464CK	63/37 	1.8	11.95	11.33	10.77
668406CK	99.3/7 	2.2	33.79	31.95	30.11
668414CK	96.3/3.2/5 	2.2	67.89	61.69	55.53

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057CK or 170464CK, above
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty





Part No.	Description	1	10	25
160303CK	300W solder pot 	\$64.95	\$58.49	\$52.65
668043CK	300W solder pot 	146.95	139.59	132.65

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057CK or 170464CK, above
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.




Part No.	Description	1	10
172275CK	600W solder pot 	\$189.95	\$180.45
668051CK	600W solder pot 	291.59	276.09

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057CK or 170464CK, above
- 3 conductor pigtail power cord: 5' long
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty



Part No.	Description	1	5
149876CK	2000 watt solder pot 	\$399.95	\$359.95

PANAMSE Vacuum Base Vise

- Lever locks vacuum pad into place on any flat, smooth, non-porous surface
- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment knobs control jaw pressure
- Arm movement is 140°; positive indents control movement to prevent "flopping"
- Jaw size: 2"H x 1"W • Base diameter: 3.4"
- Overall height: 7.5"H • Weight: 0.8 lbs.



Part No.	Product No.	1	10
251791CK	209 	\$29.99	\$27.59

Soldering Products

Fume Extractor

Designed to remove solder flux fumes and other work place fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.



- Input voltage: 110 – 120V
- Power: 20W
- Fan specifications: 50dB S/N ratio: 87cfm
- Size: 8.3"H x 8.3"W x 5.3"D • Weight: 3.3 lbs.
- Arm length: 29"

Part No.	Product No.	1	10
667420CK	GS-630A 	\$54.09	\$51.25





Fume Extractor and Filters

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty



Includes: Detachable power cord

Part No.	Description	1	10	25
120150CK	Fume extractor 	\$58.95	\$52.95	\$47.79
127183CK	Replace. filters (2/pk) 	12.95	11.66	10.49



Combination 42-Watt Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500° to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169CK	456DLX	\$89.95	\$86.29

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost! It's that simple!



Just call us!
1-800-831-4242

JAMECO
BenchPro

Soldering Gun

This soldering gun with nozzle guide for solder is perfect for soldering through-hole components. Trigger action pulls out solder from the back of the soldering gun to the tip for the exact amount of solder.

- Power consumption: 40W • 120 VAC
- Solder entrance at the back of gun accepts 0.8mm to 2.3mm diameter solder
- Single hand operation • Lightweight
- Size: 7.5"L x 1.4"W x 5.9"H • Weight: 0.7 lbs.

Part No.	Description	1	10	25
319169CK	Single feed soldering gun	\$37.15	\$33.19	\$31.55

Soldering Tip Cleaner with Stand and Rosin Paste Flux

156777CK:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

73584CK: Highly active non-corrosive and non-conductive flux with excellent wetting action

Part No.	Description	1	10	50
156777CK	Tip cleaner & stand	\$4.95	\$4.49	\$4.05
160004CK	Metal wool replacement	2.79	2.49	2.29
73584CK	Rosin paste flux (2 oz.)	2.95	2.36	1.77



Lead-Free Solder Tip Tinner

Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!

- 0.7 oz. tin with self adhesive pad

Part No.	Description	1	10	50
132986CK	Lead-free tip tinner	\$4.95	\$4.59	\$4.19



5' No-Clean Desolder Braids

Meets all of the most stringent soldering standards for worldwide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.
• Length: 5'

Part No.	Description	1	10	100
139951CK	.030"W desolder braid	\$2.59	\$2.29	\$1.95
124126CK	.060"W desolder braid	2.35	2.15	1.95
124118CK	.075"W desolder braid	2.39	2.15	1.95
263708CK	.098"W desolder braid	2.69	2.45	2.33

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux

Part No.	Description	1	10	100
41081CK	.079"W braid (5')	\$1.49	\$1.27	\$.95
41099CK	.098"W braid (5')	1.55	1.29	1.15
153461CK	.120"W braid (5')	1.59	1.39	1.25

NEW

Rosin Core Solder Rolls and Pocket Packs

73576CK



32117CK



170456CK



141778CK



* Organic core

Part No.	Manufacturer	% Composition				Dia. (in.)	Wt. (lbs.)	Pricing			
		Tin	Lead	Silver	Copper			1	10	50	100
668078CK	— R	99.3	—	—	0.7	0.04	0.6	\$10.45	\$8.64	\$8.20	\$7.79
668262CK	— R	96.3	—	3.2	0.5	0.04	0.6	15.45	13.27	12.61	11.98
668271CK	— R	96.5	—	3.5	—	0.04	0.6	16.85	14.47	13.75	13.06
668289CK	— R	99.3	—	—	0.7	0.04	1.1	19.39	15.69	14.91	14.16
668297CK	— R	96.3	—	3.2	0.5	0.04	1.1	28.59	23.33	22.17	21.06
668318CK	— R	96.5	—	3.5	—	0.04	1.1	31.19	25.43	24.16	22.95
668334CK	— R	96.3	—	3.2	0.5	0.04	2.2	57.19	46.66	44.33	42.11
141794CK	Super	60	40	0	—	0.031	0.55	5.95	5.39	4.85	4.35
141786CK	Super	60	40	0	—	0.031	1.10	7.95	6.95	6.25	5.82
141778CK	Super	60	40	0	—	0.031	2.20	13.95	12.95	11.95	11.43
170456CK	Golden	60	40	0	—	0.031	0.06	1.39	1.25	1.05	.99
73576CK	Kester (pak)	60	40	0	—	0.031	0.04	2.59	2.33	2.10	1.75
32117CK	Kester	60	40	0	—	0.031	1.00	13.19	11.89	10.69	9.59
73605CK	Kester (pak)	62	36	2	—	0.020	0.10	1.25	.99	.97	.96
112344CK	Kester	63	37	0	—	0.020	1.00	19.49	18.50	18.27	18.14
151474CK	Kester	63	37	0	—	0.031	1.00	18.39	16.55	14.89	13.39



ProWick® Desoldering Braid

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wire is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- 263581CK with bobbin • Length: 5'

Part No.	Product No.	1	10	100
263695CK	1803-5F (0.075"W)	\$1.95	\$1.77	\$1.68
263599CK	1804-5F (0.098"W)	2.19	2.09	1.89
263581CK	1811-5F (0.098"W)	2.45	2.29	2.09

Angled Bottle

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Nozzle is angled making it easier for applications in tight places.

Part No.	Description	1	5
667471CK	Angled bottle	\$7.45	\$7.08

Flux Dispensing Bottle with Capillary Needles

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Comes with capillary needles in 0.01" and 0.02" diameters, adapter for needles, squirt nozzle and cover.

Part No.	Product No.	1	10
667489CK	RD-7372A	\$6.79	\$6.45



Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Description	1	10	50
158131CK	Pump bottle	\$9.95	\$8.95	\$7.95

Place your order by 6PM EST for same business day shipment

Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W

Part No.	Mfr. Part No.	1	10	25
159126CK	HT156	\$2.65	\$2.38	\$2.15

Heat Sink and 7-Piece Soldering Aid Kit



100378CK: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503CK Includes soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	50
100378CK	Heat sink	\$4.45	\$4.40	\$3.36
100503CK	Soldering kit	4.09	3.72	3.38

Heat Sink Compound

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.

- Color: opaque white

Part No.	Mfr. Part No.	1	10	100
167249CK	THM250 (2 oz.)	\$9.95	\$8.96	\$8.06
236822CK	54114 (1 oz.)	4.95	4.21	3.16

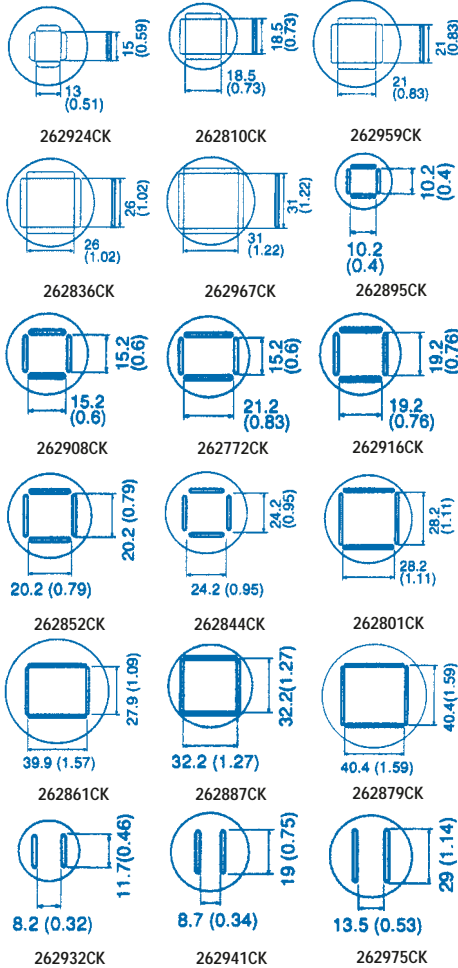
Heat Sink Compound 4-oz. Tube

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.

Part No.	Product No.	1	10
169252CK	1978DP	\$16.95	\$16.20

Focus Hood Tips

Dimensions: mm (in.)



Hot Air SMD Rework Station with Digital Display

The Hot-Air SMD 850D is engineered to meet the demanding needs of today's electronic industry; technicians, service/repair and assembly rework. The system not only increases productivity for SMD assembly and repair but also achieves a new standard of quality.

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Adjustable air-flow
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Hot air temperature range: 100° - 385°C (212° - 725°F)
- Size: 7.4"W x 9.6"D x 5.0"H



- 25W diaphragm pump
- Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895CK and 262908CK)

Part No.	Product No.	Description	1	5
262705CK	850D	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262983CK	HG850D	Heat gun replacement	78.95	74.95
262924CK	A1141B	Focus hood tip, PLCC 11.5 x 14	34.95	33.25
262810CK	A1135B	Focus hood tip, PLCC 17.5 x 17.5	34.95	33.25
262959CK	A1136B	Focus hood tip, PLCC 20 x 20	49.95	48.29
262836CK	A1137B	Focus hood tip, PLCC 30 x 30	49.95	48.29
262967CK	A1138B	Focus hood tip, PLCC 30 x 30	49.95	48.29
262895CK	A1125B	Focus hood tip, QFP 10 x 10	34.95	33.25
262908CK	A1126B	Focus hood tip, QFP 14 x 14	34.95	33.25
262772CK	A1128B	Focus hood tip, QFP 14 x 20	34.95	33.25
262916CK	A1127B	Focus hood tip, QFP 17.5 x 17.5	34.95	33.25
262852CK	A1261B	Focus hood tip, QFP 20 x 20	49.95	48.29
262844CK	A1182B	Focus hood tip, BQFP 24 x 24	49.95	48.29
262801CK	A1129B	Focus hood tip, QFP 28 x 28	49.95	48.29
262861CK	A1263B	Focus hood tip, QFP 28 x 40	79.95	75.95
262887CK	A1265B	Focus hood tip, QFP 32 x 32	79.95	75.95
262879CK	A1264B	Focus hood tip, QFP 40 x 40	79.95	75.95
262932CK	A1258B	Focus hood tip, SOP 7.6 x 12.7	34.95	33.25
262941CK	A1260B	Focus hood tip, SOP 8.6 x 18	34.95	33.25
262975CK	A1259B	Focus hood tip, SOP 13 x 28	49.95	48.29

CHIPQUIK SMD 2000 Removal System

Complete Solder/Desolder Rework Kit

- Removal alloy, solder paste, 3' solder, paste flux, liquid flux remover/cleaner, handi vac, 2 acid brushes, precision tweezers, six 4" x 4" cleaning wipes, 10 swabs, 6 alcohol pads, SMD removal/clean up instructions, stainless steel probe kit & 5' solder wick



Part No.	Description	1	10
208055CK	SMD 2000 removal system	\$99.95	\$94.99

CHIPQUIK

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5" of CHIPQUIK® material removes 1250-1500 SMD pins
- Uses simple equipment and materials for application & clean-up

SMD Removal Kit



Part No.	Description	1	10
141305CK	SMD removal kit	\$24.95	\$22.45

Vises

PANA VISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Description	1	5	10
27060CK	Electronic center	\$74.95	\$71.25	\$67.95

PANA VISE

PV Jr. Vise

- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs.
- One-year warranty



Part No.	Description	1	10
134439CK	Jr. vise w/ mountable base	\$21.95	\$19.95

Third Hand



- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: P/N 26690CK: 0.7 lbs.; P/N 72864CK: 1.4 lbs.



Part No.	Description	1	10	50
26690CK	Third hand	\$5.95	\$5.35	\$4.79
72864CK	W/ soldering holder	8.75	7.89	7.15

Commercial Customers

Open an account with us to consolidate your monthly billing and to save time.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

3M Scotch-Weld™ Adhesive

A higher viscosity, one-part, high strength, fast-setting adhesive that cures at room temperature. Adheres to difficult-to-bond substrates such as EPDM rubber, aluminum, and flexible vinyl. ScotchWeld adhesive exhibits good resistance to soap solutions and isopropyl alcohol.



Part No.	Description	1	5	10
646477CK	ScotchWeld C-40 R ..	\$19.95	\$19.25	\$18.49
646717CK	ScotchWeld C-40H R ..	18.95	17.75	16.75

3M Scotch-Grip™ Rubber and Gasket Adhesive

A yellow, premium quality, versatile, brushable, heat resistant adhesive that develops strength rapidly. Has excellent adhesion to metal, baked enamel, wood, most plastics, neoprene, reclaim, SBR and butyl rubber. NOT for EPDM rubber.



Part No.	Description	1	10	25
647058CK	5 oz. tube R	\$13.65	\$12.09	\$10.86

3M Citrus Base Cleaner

A citrus oil based cleaner which can dissolve and flush away dirt, grease, tar, most non-curing type adhesive films, and similar substances. Emulsifies when flushed with water.



Part No.	Description	1	5	10
647040CK	24 oz. can R	\$19.95	\$18.49	\$17.49

3M Scotch-Weld™ Epoxy Adhesive DP-100

A flame-retardant (self-extinguishing) off-white version of 3M™ Scotch-Weld™ DP-100 Adhesive. It meets UL94VO burn test requirements, has a 1:1 mix ratio, and has a work life of 5 - 8 minutes. It is ideal for many applications requiring a flame retardant adhesive.



Part No.	Description	1	10	25
652228CK	1.7 fl. oz. R	\$18.75	\$16.63	\$14.94

3M Scotch-Grip™ Plastic Adhesive

A clear, elastomeric adhesive with exceptional adhesion to metal and plastic. This adhesive is unique in its ability to bond hard-to-hold materials like polypropylene, polyethylene, and high-impact polystyrene. Exhibits high immediate bond strength, long tack range, and contact bond properties. Good resistance to water and aging.



Part No.	Description	1	10	25
647066CK	5 oz. tube R	\$13.25	\$11.75	\$10.56

3M Scotchkote™ Electrical Coating

Scotchkote™ Electrical Coating provides vinyl tapes with an extra oil, moisture and corrosion-resistant layer of flexible coating for problem areas. A fast drying sealant and bonding compound, in a brush top can for quick & easy application.



Part No.	Description	1	5	10
647074CK	4 fl. oz. can R	\$9.75	\$8.55	\$8.10

3M Super Glue Gel

3M™ Super Glue Gel quickly repairs glass, china, jewelry, balsa wood, rubber and rigid plastic. It forms a strong bond, fills small gaps better than non-gels, and the gel formula lasts longer in the tube.



Part No.	Description	1	10	25
645837CK	2 gram tube R	\$1.99	\$1.89	\$1.79

3M Super Adhesive Glue

Scotch® Super Strength Adhesive is an industrial strength adhesive for most household repairs. Forms a nearly invisible bond that offers versatility and a strong grip. Resists heat, water, oil and grease. Bonds glass, metal, porcelain, plastics and many other types of materials.



Part No.	Description	1	10	25
645845CK	30ml tube R	\$4.99	\$4.59	\$4.19

3M Super 77 Spray Adhesive

High tack, high coverage and fast drying for permanently attaching foils, carpeting, paper, cardboard, felt and cloth to painted or unpainted metals, wood and hardboard.



Part No.	Description	1	5	10
645870CK	10 oz. aerosol can R	\$8.95	\$8.49	\$8.09

3M 5-Way Penetrant

Effective as a demineralizer – displaces moisture and “dries out” electrical apparatus. Inhibits rust – spreads a thin, even film that actually penetrates the pores of the surface to inhibit rust and corrosion. Penetrant – frees rusted, frozen bolts, nuts, etc. Lubricant – for delicate machines or precision instruments.



Part No.	Description	1	10	25
645888CK	24 fl. oz. aerosol can R ..	\$14.49	\$12.87	\$11.56

3M Respirator Mask

Recommended for sanding and working with fiberglass insulation and drywall sanding. 3M™ Cool Flow™ Exhalation Valve allows easy exhalation and heat reduction, which provides cool, dry comfort. NIOSH approval: N95.



Part No.	Description	1	10	25
645968CK	Respirator mask R	\$7.69	\$6.79	\$6.10

3M Home Dust Mask

Lightweight, disposable masks offer relief from irritating effects of common household dusts. Patented filter media is greater than 90% efficient for particles of all sizes. Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose.



Part No.	Description	1	10	25
645950CK	5 pack R	\$4.49	\$3.99	\$3.59

3M Lens Cleaning Cloth

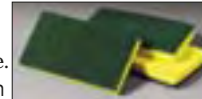
Dirt and particles are trapped within knitted tufts of the fibers. Rows and rows of tufts and valleys trap large and small particles.



Part No.	Description	1	10	25
645896CK	Cleaning cloth R	\$2.69	\$2.38	\$2.14

3M Scotch-Brite™ #74 Medium Duty Scrub Sponge

It's a No. 96 scouring pad on one side and on the other is a cellulose sponge.



Part No.	Description	1	10	25
652199CK	Scrub sponge R	\$2.69	\$2.41	\$2.16

#96 General Purpose Scour Pad

Synthetic scouring pad is excellent for common cleaning jobs.



Part No.	Description	1	10	25
652181CK	Scour pad R	\$0.85	\$0.73	\$0.66

3M Scotch-Weld™ Epoxy Adhesive DP-190

A gray, flexible, two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics and masonry products. This adhesive has a 90 minute work life, with improved impact and shock resistance over many traditional epoxy adhesives. It is a 1:1 mix ratio of 2216 B/A gray adhesive.

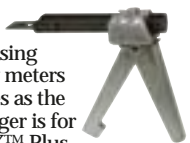
Lower \$\$\$



Part No.	Description	1	5	10
652236CK	1.7 fl. oz. R	\$17.49	\$16.25	\$15.25

3M Scotch-Weld™ EPX™ Plus II Applicator

The applicator is a low-cost portable, self-contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied. The plunger is for the 3M™ Scotch-Weld™ EPX™ Plus II Applicator. The EPX Plus II Applicator is used to dispense 3M™ Scotch-Weld™ adhesives in duo-pak cartridges.



Part No.	Description	1	5	10
652201CK	Applicator R	\$64.95	\$59.95	\$54.95

3M Tapered Mixer Tip

Enables technicians to apply a fine bead for use in bonding impact strips and sealing small seams as well as other applications where a fine bead is required. Tip can be cut for desired bead thickness. For use with P/N 652201CK (above).



Part No.	Description	1	10	25
652210CK	Mixer tip R	\$1.55	\$1.37	\$1.23

3M Double-Sided Foam Tape

Used in a wide variety of applications, this tape features high-shear acrylic adhesive and high temperature resistance. Adheres securely to any surface with its double-sided adhesive. 1/8" thick open-cell urethane foam carrier. Ideal for many manufacturing applications.

- 1/8" thick • 1"W x 12'L

Part No.	Product No.	1	5	10
285907CK	3M 4008 	\$14.89	\$11.65	\$11.35



3M Double Coated Urethane Foam Tape

1/16" thick neutral, open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with dispenser.

- 1"W x 18'L

Part No.	Product No.	1	5	10
645941CK	3M 06440 	\$16.95	\$15.75	\$14.39





3M Hook and Loop Fastening System

Nylon hooks mesh with pliable loops. 1" wide strip with adhesive backing sticks instantly to many surfaces.

- Hook and loop: 1"W x 15'L

Part No.	Product No.	1	5	10
286897CK	3M 06481 (black) 	\$31.09	\$29.99	\$28.35
286900CK	3M 06488 (white) 	31.55	30.49	28.75

- Hook and loop: 1"W x 3'L • Two pair


Part No.	Product No.	1	10	25
645917CK	3M 64293 (black) 	\$2.79	\$2.46	\$2.21
645909CK	3M 64294 (white) 	2.79	2.46	2.21



3M Dual Lock Fastening System

3M™ Dual Lock™ reclosable fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical, sign and display markets. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant.

- Adhesive backing for strong bonds • 1"W x 15'L
- 5x stronger than conventional hook & loop fasteners
- Audible snap assures secure closure

Part No.	Product No.	1	5	10
288438CK	3M 06463 (clear) 	\$74.95	\$71.19	\$67.65

- Hook and loop: 1"W x 3'L • Two pair

Part No.	Product No.	1	10	25
645925CK	3M 64284 (black) 	\$3.55	\$3.14	\$2.83
645933CK	3M 64254 (clear) 	3.55	3.14	2.83



3M Duct Tape 3900

Polyethylene coated cloth with rubber adhesive. Economy grade duct tape. A good choice for general maintenance, wrapping, sealing and protecting.

- 48mm W x 54.8m L

Part No.	Product No.	1	10	25
652068CK	3M 06976 	\$9.15	\$8.09	\$7.27

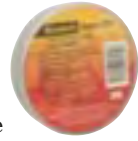


3M Super 33+ Electrical Tape

This tape provides flexibility and easy handling for all around performance. It combines PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids, and is flame-retardant. Excellent all-weather performance in cold to 0°F (-18°C). Designed to perform in a continuous temperature environment up to 220°F (105°C).

- UL listed and CSA certified • 3/4"W x 66'L

Part No.	Product No.	1	10	25
285464CK	3M 06132 	\$4.35	\$4.00	\$3.98

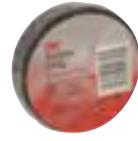


3M Tartan 1710 Electrical Tape

3M™ Tartan™ 1710 vinyl insulating tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet).

- UL listed • 3/4"W x 60'L
- Flame retardant










Part No.	Product No.	1	10	25
285587CK	3M 49656 	\$.95	\$.89	\$.86




3M Scotch® 35 Vinyl Electrical Tape

Identify leads, splices, and terminations. Abrasion and weather resistant 7 mil tape. Excellent mechanical and electrical insulation properties. Wraps smoothly and holds tightly over a wide range of temperatures.

- 3/4"W x 66'L

Part No.	Product No.	1	10	25
652076CK	3M 10810 (red) 	\$5.89	\$5.24	\$4.71
652084CK	3M 10869 (orange) 	5.89	5.24	4.71
652092CK	3M 11271 (violet) 	5.89	5.24	4.71
652105CK	3M 10828 (white) 	5.89	5.24	4.71
652113CK	3M 10885 (brown) 	5.89	5.24	4.71
652121CK	3M 00072 (gray) 	5.89	5.24	4.71
652130CK	3M 10836 (blue) 	5.89	5.24	4.71
652148CK	3M 10851 (green) 	5.89	5.24	4.71
652156CK	3M 10844 (yellow) 	5.89	5.24	4.71

- 5 rolls: blue, green, red, yellow & white • 1/2"W x 20'L


Part No.	Product No.	1	5	10
287806CK	3M 10457 	\$7.95	\$6.72	\$6.10



3M 130C Linerless Rubber Splicing Tape

This highly conformable high voltage Ethylene Propylene rubber tape is ideal for a number of applications where its sealing properties are required. These include sealing collars, closure sealing, drop wire splice insulating, sheath build-up and constructing auxiliary sleeves. Unlike most rubber tapes, Scotch® 130C is linerless which makes it easier and quicker to use. It provides a void-free, permanent seal every time.

- 3/4"W x 30'L

Part No.	Product No.	1	5	10
652050CK	3M 4171 	\$13.95	\$12.75	\$11.69



3M Scotch® General Purpose Masking Tape

A very high temperature resistant tape for use in masking and holding applications where temperatures reach 250°F (121°C) up to 1 hour.

A general purpose paper masking tape designed to be used in medium temperature paint bake operations.

- 24mm W x 55m L

Part No.	Product No.	1	10	25
652172CK	3M 02982 	\$6.99	\$6.16	\$5.53



GC Chemicals

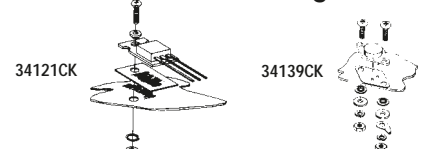
Air Jet® & Freeze Mist
HCFC Contact Cleaners
HydroCarbon Products
Solder Flux & Flux Removers
Non-Aerosol Cleaners
Lubricants Adhesives RTV
Heat Sink Compounds
Coatings, Thinners & Solvents
Specialty Chemicals
Applicators, Brushes, Swabs & Wipes
Drafting Aids

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



See Complete GC Chemicals Offering at
www.Jameco.com/Prod/GCChemicals



Heat Sink Mounting Kits



- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121CK	TO-220	5 pcs per kit 	\$3.95	\$3.55	\$3.19
34139CK	TO-3	12 pcs per kit 	3.95	3.59	3.25

Find our selection of 3M Products on pages 111, 112, 151, 187, 283 & 317.

Chemtronics

525843CK 525851CK 525915CK 525974CK 525835CK

Freeze Spray

NEW

- Safe on plastics
- Nonflammable
- Wide spray for cooling entire boards
- Ozone safe

Part No.	Description	Wt. (lbs.)	1	2
525915CK	10 oz. aerosol can	0.8	\$134.99	\$121.92

Glass & Plastic Cleaner

- Controls static, cleans and polishes in one application
- Effectively removes handling oils, finger soils and nicotine stains
- Compatible with plastics, glass and stainless steel
- Foaming spray won't run or drip; ideal for optical surfaces

Part No.	Description	Wt. (lbs.)	1	2
525974CK	14 oz. aerosol can	1.1	\$110.99	\$106.68

Chemask

- Easy to use – peel off dried Chemask® masking agent
- Latex material is compatible with flux systems and stable with cleaning solvents

Part No.	Description	Wt. (lbs.)	1	2
525835CK	8 oz. squeeze bottle	0.7	\$205.19	\$198.24

Chem Pads

- Ultra pure blend of 91% IPA/9% deionized water
- Mild cleaning solution, nonabrasive wipe
- Quickly removes dust, oils and contaminant
- Pack of 50 3" x 4" presaturated pads

Part No.	Description	Wt. (lbs.)	1	2
525843CK	8 oz. squeeze bottle	0.7	\$77.95	\$74.12

Double Head Cottontip Swabs

- 100% pure pharmaceutical grade cotton head
- Soft & highly absorbent compatible w/ most solvents

Part No.	Description	Wt. (lbs.)	1	2
525851CK	6" cotton swab	0.1	\$77.99	\$74.40

See Complete Chemtronics Chemicals Offering at www.Jameco.com/Prod/Chemtronics

DATAK Photo Etch™ Printed Circuit Kit

Generate your own 1:1 artwork. Then use the patented Fast Neg film process to make a photo negative and sensitize and expose a blank copper board. Finish by developing & etching. No camera or darkroom is required.



Part No.	Product No.	Wt. (lbs.)	1	10
16731CK	12-750*	4.6	\$39.95	\$36.95

DATAK Direct Etch PCB "Starter" Set

Includes: 4 blank circuit boards, dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIP, patterns, lines and 1/32" & 1/16" etch resist tape.



Part No.	Product No.	Wt. (lbs.)	1	10
70412CK	ER1*	0.7	\$11.95	\$10.95

* Shipped via UPS ground to continental U.S. only



- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs



Workshop Chemicals

263530CK 139934CK 118033CK 263564CK 263572CK 263556CK 481748CK 263724CK 263716CK 263732CK

Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900CK	10 oz. aerosol w/ trigger	0.8	\$8.49	\$7.73
263530CK	15 oz. aerosol w/ trigger	0.8	11.15	10.68

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934CK	10 oz. aerosol can	0.8	\$9.49	\$8.49

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041CK	10 oz. flux remover	0.8	\$9.69	\$8.79

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033CK	10 oz. contact cleaner	0.9	\$8.95	\$8.30

TechClean® Wiper

This hydro-entangled cellulose/polyester wipe has high absorbency with extra-low particulate and chemical extractables.

Part No.	Description	Wt. (lbs.)	1	12
263564CK	100 sheet/pk	1.1	\$16.29	\$15.09

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572CK	1 pint bottle	1.1	\$8.49	\$7.65

Static Sensitive Brush **NEW**

- Bristle: 1/8"L x 1/16"W
- Handle: 3.5"
- Machine stamped, proprietary static dissipative

Part No.	Description	Wt. (lbs.)	1	2
481748CK	Brush	0.1	\$45.89	\$43.44

* Shipped via UPS ground to continental U.S. only

See Complete TechSpray Chemicals Offering at www.Jameco.com/Prod/TechSpray

DATAK Pre-Sensitized Circuit Boards & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"T

Includes: Instructions

Part No.	Description	Wt. (lbs.)	1	10	25
156751CK	Single sided	—	\$4.95	\$4.49	\$3.95
156742CK	Double sided	—	6.49	5.85	5.25
156734CK	4 oz. Pos. developer*	0.6	6.95	5.95	4.95

* Shipped via UPS ground to continental U.S. only

Fine-L-Kote™ Silicone Conformal Coating

A type SR silicone resin conformal coating that has excellent moisture and fungus resistance properties, offers chemical resistance and is recommended for harsh environments. Contains Opti/Scan™ to allow for black light inspection.

Part No.	Description	Wt. (lbs.)	1	12
481756CK	1 pint	1.1	\$29.95	\$28.44

Fine-L-Kote™ Urethane Conformal Coating

As a urethane coating, this is highly resistant to most solvents, moisture, fungus, and molds. A clear, repairable coating, it is formulated with a black light indicator Opti/Scan, to provide checks for conformity in quality control.

Part No.	Description	Wt. (lbs.)	1	12
263556CK	12 oz. aerosol can	1.0	\$16.39	\$15.70

Flux Remover Pen

A unique combination of hydrocarbon solvents and alcohols makes it an excellent defluxer. This can also be used as an all-purpose cleaner for removal of light oils, silicones, waxes, greases, and similar contaminants.

Part No.	Product No.	Wt. (lbs.)	1	12
263724CK	11.5 ml pen	0.1	\$6.39	\$6.09

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Makes smooth jumpers
- Links components
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716CK	4.89 ml pen	0.1	\$13.99	\$13.29

Overcoat Green Pen

Designed to insulate printed circuit board traces and components against high voltage arcing, and provides protection from moisture.

- Protects conductive pen traces
- Repairs permanent solder mask

Part No.	Description	Wt. (lbs.)	1	12
263732CK	5 ml pen	0.1	\$10.89	\$9.95

Blue Part No. = Limited Quantity Available

DATAK Dry Concentrated Etchant

- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201CK	ER3	\$3.95	\$3.49	\$3.15

Acid Brush

- Used for application of reactive solvents

Part No.	Description	1	10	100	1000
153322CK	Metal handle, 6"	\$6.65	\$5.9	\$4.7	\$3.35

Solderless Breadboards, Prototype Boards and Accessories

JAMECO

ValuePro

Solderless Breadboards

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77681CK (pg 294).



- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry • 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty * WBU5 and JE series do not interconnect



20757CK



20773CK



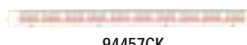
20790CK



20811CK



20600CK



94457CK



20669CK



20722CK



136901CK



421315CK

Attention Educators! Buy jumper wire (pg 294) in bulk and SAVE! (see Hook-up Wire on page 102)

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19289CK & 20079CK, pg 294)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing			
									1	10	50	100
94457CK	JE19	0	1	100	0	6.5 x 0.4	—	0.04	\$2.65	\$2.39	\$2.15	\$1.95
20600CK	JE21	1	2	400	0	3.3 x 2.1	—	0.13	5.25	4.73	4.25	3.83
20669CK	JE22	1	0	630	0	6.5 x 1.4	—	0.20	6.35	5.69	5.19	4.55
194298CK	JE37	1	2	840	0	6.9 x 2.4	—	0.25	9.95	8.96	7.16	5.37
194255CK	JE38	1	2	970	4	2.9 x 5.6	4.9 x 6.3	0.50	11.95	11.66	10.49	9.44
20722CK	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.39	8.45	7.61	6.85
194271CK	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	15.95	14.36	11.48	11.04
20757CK	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901CK	WBU504	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	\$2.99 19.55	17.85	16.15	14.45
20773CK	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20790CK	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20811CK	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

Great Savings on Breadboard Test Leads

Part No.	Description	1	10	25
421315CK	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 20 AWG wire, 7"L (15cm)	\$12.95	\$11.69	\$10.49

PLCC Prototype Adapters

PLCC socket mounted on a circuit board for easy wire wrap or design prototyping. Solder masked PCB with 0.25" long leads.



73550CK

- PCB construction • Gold-plated round pins
- Silkscreen numbers identify pin numbers in groups of 5 and 10 • Tin-plated PLCC connector
- PLCC socket identifies pin 1 and orientation key
- PLCC socket slotted for PLCC chip remover

Part No.	Pins	Size (L x W)	1	10	100
73541CK	44	2.3" x 1.6" ...	\$11.95	\$10.79	\$9.69
73550CK	68	3.4" x 1.6"	14.35	12.25	10.15
73568CK	84	4.3" x 1.9"	23.95	21.59	19.45

PCI-Bus Extender Card

- PCI bus
- Extends life of motherboard connectors
- Gold-plated fingers for long life
- Size: 5.9"L x 5.4"W



Part No.	Description	1	10
141381CK	PCI-bus extender card	\$74.95	\$67.49

PCI-Bus Prototype Board

- All plated through holes
- 0.1" hole spacing
- 50 Mil power and ground grids
- Provision for wire wrap and bypass caps
- Impedance matched to bus specifications
- Easy access to every signal on the bus



Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
141372CK	PCI prototype bus board	\$58.29	\$52.97

8/16-Bit ISA Solderless Plug-In Breadboard

- IBM PC/XT/AT and higher compatible
- 62 data I/O lines and a DB25 female connector for interfacing to peripherals
- Twenty-four 14-pin IC capacity
- Clearly labeled bus lines • 2,352 contact points
- Durable construction • One-year warranty



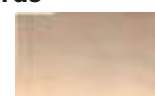
Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
81672CK	8/16-bit breadboard	\$59.95	\$53.95	\$47.95

Circuit Boards

Bare Copper Circuit Boards

- Copper on one side
- 3" x 5" to 11" x 14" sizes



Positive Pre-Sensitized Circuit Boards

- Copper on one side or both sides
- 2" x 4" to 12" x 12" sizes



Expert Design Phenolic PCBs

- Lands and bus bars are tin plated
- Accepts ICs, transistors & passive parts

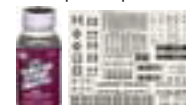
Experimenter's & Perforated Phenolic PCBs

Versa Strip Phenolic Proto Boards

- Alpha numeric indexing • Silver plated patterns

Plug-In IC Phenolic Proto Boards

- IC's plug directly into board
- Accepts up to 20-pin ICs



Drafting Aids also available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete GC Circuit Board Offering at www.Jameco.com/Prod/GCPCB

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend

New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

293

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers



19289CK

19289CK: 350-piece wire jumper kit

• Handy, durable, clear plastic case

20079CK: 350-piece refill for 19289CK

• Case not included

Part No.	Description	1	10	50	100
19289CK	Wire jumper kit	\$15.95	\$14.39	\$12.95	\$11.65
20079CK	Refill for 19289CK	10.99	9.89	8.90	8.01

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue



126341CK

Part No.	Cross Ref. No.	Length (mm / inch)	1	10	100
126359CK	JW50	50 / 1.97	\$3.95	\$3.49	\$2.95
126341CK	JW100	100 / 3.94	4.95	4.49	4.05
126324CK	JW200	200 / 7.87	5.19	4.69	4.25



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668CK

211668CK:

- 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



211676CK

211676CK:

- 5 decade ranges of capacitance
- 5% capacitance substitution from 100pF to 11,111μF

Part No.	Description	1	10
211668CK	Resistance	\$98.95	\$93.95
211676CK	Capacitance	128.95	122.45

Fabricating Printed Circuit Boards

Newnes Publishing Designing and fabricating a single-printed circuit board for a design prototype or producing boards for a limited number of devices can be a major headache for electronics engineers and hobbyists. In this hands-on guide, the author describes the complete process of taking a schematic diagram and using it to produce a printed circuit board. (236 pages, 2002)

- Size: 7.0" x 9.3"



NEW

Part No.	Description	Price
667391CK	Printed Circuit Boards Book	\$27.49

Digital/Analog Design Labs

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vp-p variable
- Triangle wave output: 6Vp-p fixed
- Square wave output: ±5V fixed



75838CK

Our most popular digital lab!

International 115/220VAC Switchable



201890CK

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75838CK	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890CK	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75838CK	Digital lab	10.6 x 13.3 x 5.0	8.1	\$276.95	\$249.95	\$226.95
201890CK	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8	429.95	365.46	305.56

Digital/Analog Design Lab

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- Variable DC output: 0 to +15V & 0 to -15V @ 500mA
- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Input power: 120/220VAC @ 50-60Hz (switchable)

Function Generator

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz

- Sine wave output: 0-8 Vpp variable
- Triangle wave output: 0-6 Vpp variable
- Square wave output: 0-8 Vpp variable

Other features:

- 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 8 data switches
- 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: A, A, B, B)
- 2 banana sockets, 2 BNC jacks
- One-year warranty
- Two 7-segment LED displays (digit height: 0.3")
- 8 red LEDs with separate input terminals

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136266CK	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$379.95	\$341.99	\$307.79
319214CK	Replacement breadboard	6.7 x 6.5 x 0.4	0.5	24.45	22.28	21.16

International 120/220VAC Switchable



Powered Project Board

- Solderless breadboard with 2420 tie points
- DC power supplies: +5V @ 1A; variable power 0 to +15VDC and 0 to -15VDC @ 500mA

- Back panel has ground terminal

- Outputs are short-circuit protected

- Edge plate for non-DIP size components

- Input power: 120/220VAC @ 50-60Hz (switchable)

- Replacement fuse: P/N 103907CK, pg 92

- Power switch with light

- Breadboard size: 7.4"L x 6.8"W

- Enclosure size: 9.8"L x 8.0"W x 2.6"H

- Weight: 6.8 lbs.
- One-year warranty

Includes: Power cord

Part No.	Description	1	10	25
136258CK	Powered breadboard	\$99.95	\$89.95	\$87.95



CE

International 120/220VAC Switchable

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:

- +5VDC @ 1A;
- -5V @ 300mA fixed;
- 0 to +15VDC @ 500mA variable;
- 0 to -15VDC @ 300mA variable;
- 12-0-6-12 tapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in and start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77841CK, pg 263
- Size: 7.4"W x 5.5"D x 2.6"H
- Weight: 5.5 lbs.
- Color: beige
- One-year warranty

Part No.	Description	1	10	25
76781CK	Power supply	\$119.95	\$109.95	\$99.95

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages at www.Jameco.com.



General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided



206578CK



21434CK



52943CK



21477CK



Board Outline



A Holes Only



B Pad Per Hole



C Power/Ground Perimeter Bus with Pad Per Hole



D 3 Hole Solder Pad and Bus

See PCB enclosures on pg 296, mounting hardware (recommend P/N 106551CK) below

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 295)	Circuit Pattern	Hole Pads	# Holes x Dia. ↑	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Weight (lbs.)	Pricing			
											1	10	50	100
105099CK	2855PCB	1.60 x 2.70	18921CK	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.25	\$4.73	\$4.25	\$3.83
105101CK	5002PCB	1.50 x 3.50	11957CK	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.00	3.75
263185CK	PCB-403	1.80 x 3.10	18921CK	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105128CK	2853PCB	2.00 x 4.40	18913CK, 11965CK	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105110CK	2300PCB	2.40 x 3.40	11869CK	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263206CK	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
263214CK	PCB-858	2.50 x 4.50	18913CK	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105152CK	2851PCB	3.10 x 5.50	18892CK	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	5.96
263222CK	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105136CK	2320PCB	3.30 x 4.50	11885CK	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105161CK	2852PCB	3.60 x 7.00	18905CK, 11973CK	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206586CK	2746APCB	4.30 x 6.80	209349CK	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21434CK	JE401(8001)	4.50 x 6.50	18868CK	B/D	Single-sided	2360 x .042"	2	None	None	.12	18.65	16.70	15.05	13.55
21451CK	JE405(8003)	4.50 x 6.50	18868CK	C	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	16.15	13.45
206578CK	2743APCB	4.60 x 4.30	208910CK	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105179CK	2505PCB	5.00 x 6.50	11893CK, 18868CK	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	8.96
21477CK	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594CK	2747APCB	5.50 x 8.00	209357CK	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187CK	2507PCB	6.10 x 8.80	18876CK	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263231CK	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09
263249CK	PCB-6088	9.20 x 13.0	N/A	B	Plated through	11,000 x .042"	10	None	13 x .115"	.50	55.95	52.19	49.59	47.09

Other Manufacturers — Great Deals

28177CK	PCB1	2.42 x 4.10	18913CK	C	Plated through	674 x .040"	None	None	4 x .120"	.04	\$5.95	\$5.35	\$4.79	\$4.29
28193CK	PCB3	5.00 x 8.00	18876CK	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	19.76	17.78	16.22

Vector Products

43140CK	64P4400XP	4.50 x 6.50*	18868CK	A	Drilled only	2860 x .042"	None	None	None	.09	\$6.09	\$6.06	\$6.03	\$6.01
52943CK	84P44WE	4.50 x 8.50	18876CK	A	Drilled only	3740 x .042"	None	None	None	.15	9.55	9.49	9.45	9.42
37604CK	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	18.45	17.55	16.75	15.95
37612CK	169P4400XP	4.50 x 17.0*	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	11.25	11.19	11.14	11.08
37621CK	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	22.89	22.79	22.69	22.54
106551CK	20 pieces PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										1.79	1.65	1.45	1.35

* PCB material: phenolic

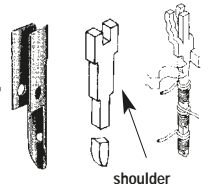
↑ All 0.042" diameter hole boards use terminals T44, T49, and T421 (see below)



Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.
- 34147CK: Push-In Micro-Klip Terminals**
- Overall length: .36" • Post size: .032" x .045"
- 34155CK: Miniwrap Wiring Terminals** • Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69" • Post size: .025" Sq.
- 34163CK: Klipwrap Wiring Terminals** • Shoulder: .045"
- Three-prong with square tail for wire wrapping
- Overall length: .83" • Post size: .025" Sq.



34147CK 34155CK 34163CK

Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units	
				1	10
34147CK	T421	.200	.097	\$7.29	\$6.95
34155CK	T44	.065	.530	8.45	6.97
34163CK	T49	.200	.530	11.89	11.19



Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.

- 1.6mm thickness



Fig. 1



Fig. 2



Fig. 3

Single-Sided							
Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
169279CK	PCBS3X6	3.0 x 6.0	3	0.1	\$3.49	\$3.15	\$2.85
169287CK	PCBS6X6	6.0 x 6.0	2	0.2	4.95	4.49	3.95
169295CK	PCBS12X12	12.0 x 12.0	1	0.5	13.49	12.14	10.93
Double-Sided							
Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
169308CK	PCBD3X6	3.0 x 6.0	3	0.1	\$5.25	\$4.73	\$4.25
169316CK	PCBD6X6	6.0 x 6.0	2	0.2	7.95	7.15	6.45
169324CK	PCBD12X12	12.0 x 12.0	1	0.7	17.95	15.95	14.49

PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101178CK, 101186CK & 265421CK, pg 151)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677CK	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	\$17.75	\$16.85	\$16.45
262511CK	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537CK	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	32.49	30.89	29.35



262511CK



262537CK



645677CK

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 1.](#)

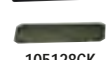
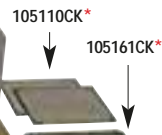
JAMECO ValuePro

The prototype builder boards on pg 295 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 295 (P/N 106551CK).

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures

See pages 185 - 187 for hardware and knobs



*All boards sold individually see pg 295 ; multiple boards shown

ABS Plastic Enclosures

Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid.

All sizes below are for interior dimensions.

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18921CK	H2855	3.1" x 2.0" x 0.9"	0.1	\$3.15	\$2.84	\$2.55	\$2.30
18913CK	H2853	4.9" x 2.5" x 1.5"	0.2	3.69	3.32	2.99	2.69
18892CK	H2851	6.0" x 3.5" x 1.9"	0.4	4.79	4.31	3.88	3.49
18905CK	H2852	7.5" x 4.3" x 2.3"	0.5	6.89	6.20	5.58	5.02

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11957CK	B5002	3.9" x 2.0" x 1.0"	0.2	\$5.95	\$5.39	\$4.85	\$4.35
11965CK	B5004	4.7" x 2.4" x 1.6"	0.4	8.49	7.64	6.88	6.19
11973CK	B5006	7.5" x 4.3" x 2.4"	1.2	13.95	12.56	11.30	10.17

Aluminum Enclosures

Put them in an economical aluminum enclosure.

The enclosure comes in two pieces which slide together.

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11869CK	B2300	4.0" x 2.0" x 2.8"	0.2	\$5.45	\$4.90	\$3.92	\$2.94
11885CK	B2320	5.0" x 4.0" x 3.0"	0.4	7.89	7.10	5.68	4.26
11893CK	B2335	7.0" x 6.2" x 4.6"	0.8	10.95	9.86	7.88	5.91

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
208901CK	B2741A	4.0" x 3.3" x 2.2"	0.4	\$6.49	\$5.89	\$5.29	\$4.69
208910CK	B2743A	5.9" x 5.3" x 3.0"	0.8	7.99	7.19	6.49	5.89
208928CK	B2744A	7.3" x 6.3" x 2.8"	1.1	8.99	8.09	7.28	6.55
209349CK	B2746A	6.3" x 7.8" x 2.5"	0.9	12.35	11.12	10.00	9.00
209357CK	B2747A	7.5" x 9.8" x 3.2"	1.4	14.99	13.49	12.14	10.93

ABS Heavy-Duty Instrument Cases

P/N 18876CK includes ventilation and speaker sound slots.

• Color: gray

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18868CK	H2505	7.9" x 6.3" x 2.5"	0.8	\$7.89	\$7.10	\$6.39	\$5.75
18876CK	H2507	10.0" x 7.5" x 3.1"	1.4	8.99	7.99	7.28	6.55

ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
141831CK	203C1	4.6" x 3.2" x 1.8"	0.3	\$8.95	\$8.09	\$7.25	\$6.55
141840CK	203D1	6.3" x 3.2" x 1.8"	0.4	9.95	8.99	8.09	7.25
141858CK	203F1	7.0" x 5.5" x 2.5"	0.8	11.95	10.79	9.69	8.69

JAMECO ValuePro

Component Cabinet



319599CK Drawer (319601CK) Divider (319610CK)

- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- Weight: 2.8 lbs.

319601CK: 5.5"L x 2.7"W x 1.5"H

319610CK: 2.5"W x 1.2"H

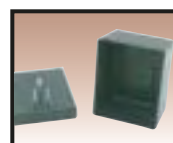
85454CK: 5.5"L x 2.7"W x 1.5"H

85446CK: 2.4"L x 1.1"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

* Prepackaged: order in increments of 10 or 50

Part No.	Description	1	10	50
319599CK	Component cabinet	\$15.95	\$13.95	\$12.49
319601CK	Drawer for cabinet	.39	.35	.294
319610CK	Divider for cabinet	.19	.17	.17
85454CK	Drawer for P/N 81701	.39	.35	.29
85446CK	Divider for P/N 81701	.19	.17	.17



For Wall
Transformer Enclosure
see page 222.

JAMECO ValuePro

Plastic Flip Top Boxes

- Clear plastic box with a clear plastic lid and removable dividers

100255CK: Size: 8.4"L x 4.5"W x 1.4"H

• 18 compartments (1.4" x 1.5" each)

148902CK: Size: 10.2"L x 4.7"W x 1.6"H

• 12 compartments (1.7" x 2.3" each)

Part No.	Description	1	10	100
100255CK	18 compartments	\$2.25	\$1.95	\$1.75
148902CK	12 compartments	3.95	3.49	2.95



Plastic Flip Top Case for SMDs

- 128 compartments • Color: gray
- 8 rows x 16 columns grid
- Flip top openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156881CK SMD resistor assortment, pg 79
- Weight: 1.4 lbs. • Size: 11.0"L x 8.3"W x 1.7" Thick

Includes: Labels for each bin

Part No.	Description	1	10
164267CK	SMD flip top case	\$49.95	\$44.99



Stackable Drawers

- Case size: 4.5"L x 4.4"W x 2.3"H
- Drawer size: 4.4"L x 4.0"W x 0.9"H
- Color: blue/white

Part No.	Description	1	10	100
11906CK	Case/drawers	\$1.85	\$1.68	\$1.53



Bug Boxes

- Anti-static plastic
- Fits in bug cage (P/N 11332CK, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- 11341CK: stores sixty 8-pin or thirty 16-pin DIPs
- 11375CK: Designed to store all types of components

Part No.	Description	1	10	100
11341CK	30 compartments	\$3.95	\$3.49	\$3.15
11375CK	3 compartment/6 vertical & 6 horizontal dividers	3.95	3.56	3.20



Bug Tray

- Fits in bug cage (P/N 11332CK, below)
- 10 compartments 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	1	10	100
11800CK	Divided bug tray	\$3.19	\$2.87	\$2.58



Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Color: blue • Wt.: 0.7 lbs.
- Case size: 5.0"L x 3.9"W x 5.1"H

Part No.	Description	1	10	100
11332CK	Bug cage	\$7.49	\$6.74	\$6.07



Boxes/Trays not included

BELLIN DYNAMIC SYSTEMS, INC.

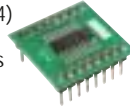
Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 134)
- Size: 7.6"L x 5.0"W • Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



215491CK



Small SMT

Part No.	Prod. No.	Description	1	10
215491CK	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	\$45.95	\$41.35
227344CK	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520CK	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	\$45.95	\$41.95
227310CK	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328CK	B511	63 SMT pattern, SOIC nrv/wvd 8, 14, 16, 18, 20 to DIP .300"	45.95	41.35
227352CK	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18, 20 to DIP .300"	45.95	41.35
227361CK	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.35

Fine Pitch Dual Row

215503CK	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	\$45.95	\$41.35
227281CK	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889CK	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
323900CK	B517	18 SMT pattern, 0.65/0.5/0.4mm TSSOP-48 to DIP 0.600	62.49	56.25

Quad

 Blue Part No. = Limited Quantity Available

215511CK	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	\$45.95	\$41.35
227336CK	B512	24 SMT pattern, PLCC18, 20, 22, 28, 32, 44, 52, 68, 84 & 100	49.95	41.35

323918CK	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
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323926CK	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
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336479CK	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
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336487CK	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45
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336495CK	B532	8 SMT, 0.40/0.50mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
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336508CK	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45
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PCB Connector (0.062" thick through-hole)

227272CK	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB conn.	\$45.95	\$41.35
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PitchStick™

227299CK



227299CK	B508	20 SMT pattern, 48 inline pads, metric/rare pitches	\$45.95	\$41.35
227301CK	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	41.39	31.00

See pages 10-12 for more prototyping boards.



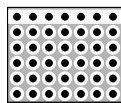
ISA Printed Circuit Prototyping Boards

Printed circuit prototyping boards for virtually any application – including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precise standards and specifications. All bus and circuit patterns are solder-coated for user convenience.

- Edge contacts: gold



Circuit Pattern



Power/Ground Perimeter
Bus with Pad Per Hole





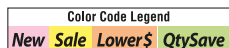
21531CK



28206CK

Part No.	Cross Ref. No.	Description	Size (Inches) W x L	Terminals (pg 295)			I/O Connector (not included)	Hole Pads	# Holes x Dia.	Power/ Ground Bus	# Mounting Holes x Dia.	Weight (lbs.)	Pricing		
				T44	T49	T421							1	10	25
21531CK	JE417	PC/XT 8-bit	4.2 x 6.50	yes	yes	yes	D-sub 9, 15, 25 & 37	Plated through	2126 x .042"	2	8 x .120"	.12	\$19.95	\$16.99	\$14.65
28206CK	PCB4	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	D-sub 9, 15 & 25	Plated through	4890 x .042"	2	4 x .120"	.23	26.95	24.25	21.85

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



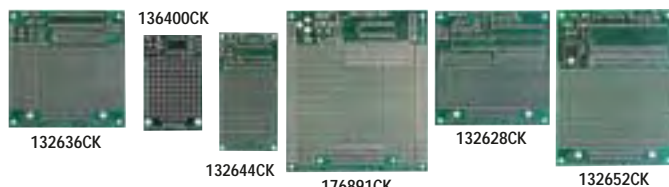
Order 24/7 Toll Free 1-800-831-4242

microEngineering Labs

"PICProto" Prototyping Boards

- High quality blank prototyping boards for PICmicro microcontrollers
- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Solder mask on both sides makes soldering easy
- Large prototyping area
- Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement



PICProto 18, 18L: For all 18-pin PICs including PIC16C52, 54, 56, 58, 55A, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, and 84

Part No.	Description	Size (L" x W")	1	10
132644CK	PICProto 18	3.0 x 1.5	\$9.95	\$8.95
176891CK	PICProto 18L	3.6 x 4.1	19.95	17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242, and 252

132636CK	PICProto 3	3.0 x 3.0	\$14.95	\$13.49
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PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422, and 452

132652CK	PICProto 64	4.0 x 3.0	\$16.95	\$14.95
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PICProto 8: For all 8-pin PIC12Cxxx and 12CExxx

136400CK	PICProto 8	2.0 x 1.2	\$8.95	\$7.95
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PICProto Dual: For 18-pin PIC16C52, 54, 56, 58, 55A, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, & 84, as well as 28-pin PIC16C55, & 57. Accepts standard 0.6" 28-pin device or 0.3" skinny DIP

132628CK	PICProto Dual 18/28	3.0 x 3.0	SALE \$12.95	\$11.66
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microEngineering Labs

PICBasic and PICBasic Pro Compiler

PICBasic converts your BASIC programs into files that can be programmed directly into a PICmicro MCU.

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows (includes Windows editor/DE software)
- I2C instructions to access external serial EEPROMs
- In-line assembler and call support

132661CK: PICBasic Compiler

- Expanded BASIC Stamp I compatible instruction set
- Serial speeds to 9600 baud
- May use up to 2k of code space
- Supports PC12C67x, PIC14Cxxx, PIC16C55x, 66x, 7xx, 84, 92x, and PIC16CF8xx microcontrollers
- PEEK and POKE instructions to access any register from BASIC

150543CK: PICBasic Pro Compiler

- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Real If...Then...Else...Endif
- Interrupts in BASIC and assembler
- Built-in LCD support
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx, and 18Cxxx microcontrollers
- Bit, byte, word arrays
- Hierarchical expression handling
- BASIC Stamp I and II library
- MPLAB/MPASM/ICE compatibility

Part No.	Description	1	10
132661CK	PICBasic compiler	\$99.95	\$89.95
150543CK	PICBasic Pro compiler	249.95	224.95



132661CK

Universal Programmer – Pocket Size & Battery Powered

Parallel Port Interface

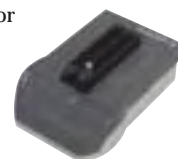
A unique ASIC pin driver was designed specifically for this latest generation programmer, enabling the first true universal input/output capability. Along with basic functions the software permits setting specially designated functions for any selected device.

- Supports over 6400 devices: 8-bit and 16-bit EPROM, EEPROM, FLASH EPROM, Serial EEPROMs, all Microcontrollers, GAL/PAL/CE without adapters
- Support for ultra-low voltage devices down to 1.3V
- High speed data transfer: 27C256 read/verify = 2 seconds; program = 8 seconds
- Three separately adjustable voltages for all 40-pins
- Fully compatible with Windows® 95/98/ME/NT/2000/XP
- Integrated editor's many features allow user to edit device data, which can be loaded or saved in INTEL HEX, Motorola S or binary format
- Operates on AC power adapter or 6 NiMH batteries
- Size: 4.5"L x 3.1"W x 1.3"H • Weight: 0.5 lbs.

Includes: Printer port data cable, power adapter and CD-ROM

System requirements: PC with Pentium® CPU

Part No.	Description	1	5
226309CK	GALEP-4	\$369.95	\$351.49



GALEP-4

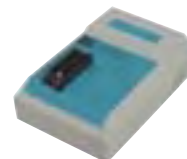


Flash Writer/Programmer with USB Interface

- Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit FLASH serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: Only 22 seconds to blank check, program, and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947CK	Leaper 3D	\$199.95	\$179.95



HI-LO SYSTEMS

EPROM Eraser

- Erases all UV erasable EPROMs (32-pin)
- Upper & lower erasing chambers hold a total of 16 EPROMs
- One-year warranty
- Conductive foam liner eliminates static build-up
- Size: 8.5"L x 2.8"W x 2.8"H • Weight: 1.6 lbs.

Includes: AC adapter – 9VDC @ 600mA and a timer which turns eraser off at the end of the selected time period – 10 to 60 minutes

Part No.	Description	1	5
121267CK	EPROM eraser	\$159.95	\$143.95



UVP EPROM Eraser and Accessories

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²
- Weight: 2.3 lbs.
- Size: 9.0"L x 3.7"W x 2.6"H

Part No.	Description	1	5
15712CK	8-chip eraser	\$106.85	\$101.49
34382CK	Lamp for 15712CK	39.95	29.95
13864CK	Foam (12" x 24" x 0.25")	9.29	8.35



www.Jameco.com

Our enhanced website offers over 200,000 product cross references. Find them quickly and order easily.



See page 317 for
New USB Universal
Programmer

XELTEK 40-Pin Low-Cost Universal Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & FLASH
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide and CD-ROM software

Part No.	Description	1	5
231183CK	SuperPro-Z universal programmer	\$244.95	\$232.69



XELTEK

Ultra-Fast 48-Pin USB/Stand-Alone Universal Programmer & Adapters

- Fastest low-cost programmer in the market; programs high-density FLASH memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Currently 21,600+ devices supported from 140+ manufacturers including memory, MCU, and PLD
- Supports: EPROM, Paged EPROM, Parallel/Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NOVROM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic
- Reliable programming of low voltage devices down to 1.5 volts
- Over-current/over-voltage protection for safety of the chip & programmer hardware
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.

Includes: 12VDC@2.5A AC adapter, Program CD, USB Cable, user's guide

Part No.	Description	1	5
231221CK	SuperPro-3000U USB universal programmer	\$989.95	\$940.45



231247CK



231255CK



231263CK



231271CK

Part No.	Product No.	Description	1	5
231247CK	A008A	28-pin PLCC adapter	\$84.95	\$80.75
231255CK	A015A	32-pin PLCC adapter	94.95	90.25
231263CK	A244A	44-pin PLCC adapter	109.95	104.45
231271CK	A247A	48-pin TSOP adapter	174.95	166.25

High-Speed Universal Device Programmer/Tester

Parallel Port Interface

- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & Microcontrollers
- 8000+ device types supported
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed: 4X faster than offshore brands
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Current limiting protects hardware circuits from improperly inserted or defective chips
- Supports POF and JEDEC formats
- High-speed device function tests and user creatable test library
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512K RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket	1	5
207765CK	TOPMAX	48-pin universal ZIF	\$875.95	\$681.86



Color Code Legend
New Sale Lower\$ QtySave

Fast, Low-Cost Universal Device Programmer

Parallel Port Interface

- 5000+ device types supported
- Menu driven software
- Programs (E)EPROM, PROM, Serial PROM, PALCE, GAL, flash memory, microcontrollers, ATF
- On-board FPGA for speed: 4X faster than offshore brands
- Auto search device select function supports (E)EPROM and microcontrollers
- Device insertion test identifies improperly inserted device before programming
- Auto programming for production programming
- Read, blank check, program, verify, checksum, data compare, security, auto function

Includes: Parallel cable, wall adapter, diskette & manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731CK	CHIPMAX	40-pin ZIF	\$349.95	\$332.95



Versatile, Production Quality Universal Programmer

Parallel Port Interface

- 5000+ device types supported
- Supports EPROM, flash, microcontroller, Serial (E)EPROM, EPLD, PALCE, GAL, PEEL
- Auto search device select function
- Fast programming speed with IC vendor approved algorithms
- Built-in editor for both buffer date and test vectors
- Supports JEDEC, Intel Hex, Motorola S Records, Binary and ASCII file formats with File LOAD/SAVE command
- Built-in macro commands for programming

Includes: 01/02/03 personality modules, parallel cable, wall adapter, disk & manual

System requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard disk, 512k RAM, standard parallel port, MS-DOS 2.11 or higher

Part No.	Description	Sockets	1	5
207773CK	MEGAMAX programmer	48-pin ZIF	\$379.95	\$349.95



Universal EPROM/Flash Programmer w/ USB Interface

- Supports low voltage components up to 2.5V; user selectable verify Vcc with one or two-pass verify voltage
- High speed: 30 sec. to process 16Mbits memory
- Auto detect device pin insertion and contact check
- Select device brand & number by prompt and convenient cross search, FLASH memory auto detection
- Supports EPROMs, EEPROMs, FLASH EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSPs and PLDs
- Supports file formats JEDEC, binary, Intel 80/86 HEX, Motorola HEX, Tektronix HEX

Includes: USB cable, 12V@1.5A power adapter and CD-ROM software

System requirements: Pentium® II or higher, 32MB RAM minimum, 30MB hard disk space, Windows® 98/ME/2000 operating system

Part No.	Description	1	5
225939CK	Leaper 48	\$575.95	\$529.95



SALE

512k E(E)PROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone E(E)PROM flash programmer. Also interfaces with your PC through the USB port.

- Programs EPROMs, EEPROMs, Flash EPROMs & more
- 2 sockets for master/slave operation
- Stand-alone mode uses two 9V batteries
- IC parameters are adjustable such as programming algorithm, Vpp voltage, and pulse width
- Supports file formats binary and machine code, INTEL HEX, Motorola HEX
- Supports Windows® 95/98/NT/2000/ME/XP • Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC@500mA power adapter and CD-ROM

Part No.	Description	1	5
220636CK	Leaper-3C	\$275.95	\$260.00



PARALLAX

Robotic Controller Kits

Board of Education Full Kit

The new Board of Education Revision C carrier board has two major changes from the Revision B. The jumper near the servo connector will select either Vdd (5 V) or Vin (unregulated input voltage) to power the servos. The three-position power switch is either off (0), power to everything but servo connectors (1) or power to everything (2).

- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for programming and serial I/O
- Female 10-pin dual row connector for optional AppMods • P0 – P15 I/O pins

Includes: Board of Education carrier board, BASIC Stamp 2 module, pluggable wires, serial cable, CD-ROM and power supply

Part No.	Product No.	1	10
283101CK	28102	\$118.95	\$96.99

Boe-Bot Full Kits

Now with Robotics text v2.0!

The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and Basic Stamp may be removed to be used as your platform for the other Stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4AA batteries (not included).

Part No.	Product No.	1	10
282933CK	28132 (serial)	\$198.99	\$189.00
387997CK	28832 (USB)	198.99	189.00

Microcontroller Application Cookbook Vol. 1 & 2

Vol. 1 is a wide-ranging collection of 113 interface circuits designed around the BASIC Stamp 2. For somebody getting started with microcontrollers. Discusses timing diagrams, interfacing, A/D conversion and how to control a high-voltage circuit with a solid-state relay. **Vol. 2** is a new collection of 154 interface circuits designed around the BASIC Stamp 2.

♣ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	10
282925CK	28113 ♣	\$59.95	\$59.55

Advanced Toddler Robot Kit

Walking robots have mechanical and software interdependencies that require in-depth examples and explanation. The Advanced Robotics text is an introduction to the Toddler robot's basic movements. Students using the Toddler robot will learn advanced embedded

programming with BASIC, efficient code development, sensor feedback, and general control. Because of the number of possible movements, we consider the Toddler to be appropriate for those aged 14 and above. • Height: 10" • Weight: 4.0 lbs.

Includes: 155-page Advanced Robotics text in the Stamps in Class style and the 351-page BASIC Stamp Manual

Part No.	Product No.	1	10
282837CK	2731	\$248.95	\$236.49

BS2 Educational Starter Kit

This complete "Getting Started" kit is enhanced to include the *What's a Microcontroller?* (WAM) curriculum. Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With this latest edition of the kit, you will receive the *What's a Microcontroller?* parts and text making this combination a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Product No.	1	10
282829CK	27207	\$158.95	\$152.95

Basic Analog and Digital Parts & Text V1.2

Covers the essentials of 8-bit A/D & D/A conversion using a BASIC Stamp. Introduces PBASIC commands for A/D conversion with resistor/capacitor circuits, interfacing an ADC0831 8-bit A/D converter, scaling analog outputs into meaningful digital values, analyzing time-varying signals and using PWM as analog output.

Part No.	Product No.	1	10
282950CK	28155	\$43.95	\$40.29

Stamp Works Kit Plus

This all-in-one kit takes you beyond theory, into a well-written collection of 35 experiments that will teach you first class BASIC stamp programming. You'll learn to get the most out of the BASIC Stamp and to increase its versatility by connecting to popular active and passive components.

• Weight: 10 lbs.

Includes: Stamp Works experiments and Basic Stamp Source Code book, Basic Stamp Syntax and Reference Manual, professional development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N parallel-in/serial-out 8-bit shift register, LM358N low-power dual op amp, DS1620 digital thermometer and thermostat, (2) 74HC595CN shift register, 24LC32A 32k I2C serial EEPROM, MC14489 lamp display driver, serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	Price
661116CK	27297 kit	\$248.95

BS2P Professional Starter Kit

Provides the engineer with all the parts required to get started with the BS2P microcontroller. The kit includes a selection of components and ready-to-run source code that will help master some of the exciting new features of the BS2P.

Includes: Manual, BS2P demo board, BS2P-24 microcontroller, DB9 (serial) programming cable, PCF8583 chip, 32.678kHz crystal, 24LC32 serial EEPROM, DS1822 thermometer, (3) 4.7K resistors, jumper wires

Part No.	Product No.	1	10
202323CK	27235 kit	\$194.95	\$175.49
282984CK	45187 BS2P40 demo board	88.95	84.95

Industrial Control Parts & Text

An educational tutorial on process control with the BASIC Stamp. Methods of process control are demonstrated in detail using a simple desktop heater system. A fan provides an external disturbance to the closed-loop system.

♣ Blue Part No. = Limited Quantity Available

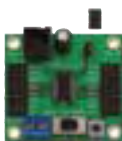
Part No.	Product No.	1	10
176575CK	28156 ♣	\$54.95	\$53.05

Interested in more kits? Visit Jameco's RobotStore at www.RobotStore.com

Servo Controller

Controls up to 16 servos and may be networked together to control 32 servos using a single I/O line.

- 2400 to 384k baud serial port
- 63 ramp rates
- 16-bit PWM timers
- RS-232 serial protocol



Part No.	Product No.	Description	1	10
282896CK	28023	Servo controller	\$38.95	\$36.95

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Torque: 49 oz.-in. @ 4.8V
- Can be operated by P/N 151001CK, pg 154
- 0.8"W x 1.4"D x 1.6"H



Part No.	Description	1	10
157067CK	Robotic servo	\$19.95	\$17.95

Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Torque: 161 oz.-in.
- Power supply: 4.8-6 volts
- Speed: 19 seconds to 60°
- Can be operated by P/N 151001CK, pg 154



Part No.	Description	1	10
166351CK	Giant robotic servo	\$49.95	\$44.95

Flex Sensor

- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Resistance	1	10
150551CK	Flex sensor	10Ω	\$12.95	\$11.65



MONDO-TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight. • Length: 1 meter

How it works... Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

Includes: Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
								1	10
141321CK	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874CK	150LT	150	50	400	62	330	20	16.95	15.29
160055CK	375LT	375	8	2750	393	2000	4	22.95	19.95

* Multiply by 0.0098 to get force in Newtons ** Cycles per minute, in still air, at 20° Centigrade



PRECISION NAVIGATION, INC. Vector 2X Compass Module

- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- Raw uncalibrated magnetometer output optional
- Master or slave capability for data clock generation
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Hard iron calibration
- 5Hz sampling rate

Requires: Power supply 5V @ 10mA (recommend P/N 112070CK, pg 218)

Part No.	Description	1	10
126703CK	Vector 2X module	\$49.95	\$44.95

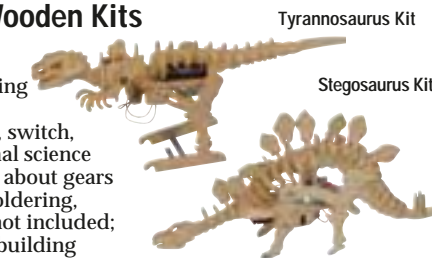


Motorized Wooden Kits

Kits, ideal for your child.

Your child will love building these kits and watching them walk. These kits come with "kid friendly" pre-punched wooden parts, gearbox, gears, shafts, switch, motor, and battery holder. A marvelous educational science project for ages 8 and up, and a great way to learn about gears and transmissions. These kits require no glue or soldering, just a few simple hand tools, and 2 AA batteries (not included; see pages 228-229 for batteries). Your kids will be building these kits in no time.

- Gear driven transmission
- Requires: knife, screw driver, and long-nose pliers



Part No.	Description	Price
242915CK	Stegosaurus kit	\$11.95
242923CK	Tyrannosaurus kit	11.95

Crossbow Accelerometer Evaluation Boards

Dual Axis

Evaluation board for the ADXL202, dual axis, 2g accelerometer.

177308CK: features RS-232 interface to connect to PC serial ports. Also includes software to display real time acceleration data.



Part No.	Product No.	Description	1	10
177287CK	ADXL202EB	Dual axis	\$59.95	\$53.95
177308CK	ADXL202EB-232	w/ RS-232	164.65	150.29

Crossbow Accelerometer

Triple Axis Accelerometer

- Dynamic range and excellent frequency response
- Current: 24mA
- Shielded cable: 2-foot pigtail
- Acceleration range: ±4g
- Size: 1.9"L x 1.0"W x 0.8"H



Requires: 5VDC power supply, not included (recommend P/N 164101CK, pg 218)

Part No.	Description	1	10
141575CK	CXL04LP3	\$339.95	\$319.95
141583CK	Digital interface card	324.39	293.95

Mobile Robotic Car Design Book

McGraw Hill This book describes in complete detail how to build a robotic car. It provides detailed photographs, schematics, list of vendors for parts, and provides software code for the processor and the digital signal processor with an explanation of what the code does and why. Printed circuit board files are free and can be downloaded from www.books.mcgrawhill.com/authors/Kachroo Mellodge. (278 pages, 2005)



Part No.	Description	Price
313592CK	Mobile Robotic Car Design	\$23.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 309.



Over 2,000 Additional Products Available at
www.RobotStore.com
 800.374.5764

26-Pitch Press-Fit Gears and Gear Set

- Works with DC motors with 0.156" and 0.078" shaft diameter
- Heavy-duty plastic construction
- Diametral pitch: 26
- Material: polyethylene resin

131801CK: 20-piece gear set includes two each of 10, 20, 30, 40 and 50 teeth gears and ten bushings

* Prepackaged: please order in increments of 10 or 100

Part No.	Description	Bore Size	Dia.	Works w/ Shaft Dia.	Outer Gear Dia.	1	10	100
162069CK	10 teeth gear	0.149"	0.378"	0.156 (5/32)"	0.455"	\$.89	\$.69	\$.55
162077CK	20 teeth gear	0.149"	0.756"	0.156 (5/32)"	0.842"	.89	.69	.49
162085CK	30 teeth gear	0.149"	1.142"	0.156 (5/32)"	1.225"	.89	.69	.49
162392CK	Bushing	0.075"	—	0.078 (5/64)"	—	*	.25	.22
Part No.	Description					1	10	50
131801CK	Gear set - 20 pieces of all the gears and bushings shown above					\$7.99	\$7.29	\$6.49

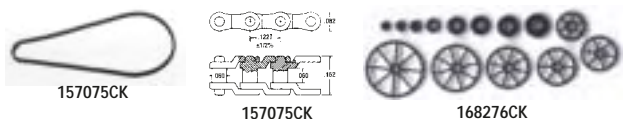


16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

168276CK: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size

Part No.	Description	1	10	25
157075CK	Drive chain (12" long)	\$9.95	\$8.95	\$7.95
168276CK	Sprocket set - 14 pieces (see description above)	29.49	26.49	23.89



Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

168284CK: 12-piece gear set includes 1 each of the following: 10 teeth with 1/2" bore size; 14 and 16 teeth with 3/8" bore size; 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/4" bore size

Part No.	Description	1	10	25
157104CK	1/4" bore aluminum mounting hub w/ set screws	\$5.19	\$4.69	\$4.15
168284CK	Gear set - 12 pieces (see description above)	39.95	34.95	31.95



"D" Type Bore Pinion Gears

- Black Nylon
- "D" type bore

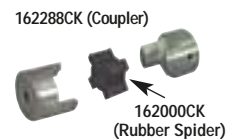
NEW

Part No.	Description	Pitch	Bore Dia.	Dia.	1	10	100
662581CK	30 tooth gear	18	0.232"	0.610"	\$.89	\$.69	\$.49
662590CK	32 tooth gear	9	0.315"	1.325"	1.09	.89	.69



Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



Part No.	Description	1	10	50
162288CK	.125" (3.18 mm) ID hub	\$1.35	\$1.15	\$.86
161998CK	.197" (5.00 mm) ID hub	1.09	.89	.59
162270CK	.250" (6.35 mm) ID hub	1.35	1.19	1.09
162000CK	Rubber spider	1.29	1.15	1.05

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD



Part No.	Description	1	10	100
138288CK	.250" ID sleeve coupler	\$4.49	\$4.05	\$3.65

Gears and Shafts Kit

Bag of 10 gears, shafts and accessories. Great for science projects. All parts fit 2mm shaft motors.



Part No.	Description	1	10
215298CK	Gears and shafts kit	\$5.89	\$5.29

Electronic Lock

velleman Code Lock Kit 67-piece kit

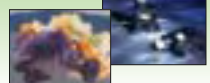
- Switch an alarm on and off or open door locks
- 3000+ codes possible
- LED indicates state
- Pulse or switch outputs
- Relay contact rating: 5A/220V
- Dimensions: 1.7"L x 1.8"W • Weight: 0.5 lbs.



Requires: 8-12VAC power supply (P/N 100061CK, pg 221)

Part No.	Product No.	1	10
127554CK	K6400	\$25.95	\$24.65

For more kits visit
www.Jameco.com



Educational Kits

Thames & Kosmos Fuel Cell Car Kit 39-piece kit

Build a car with this kit that runs on water and watch as it turns water into hydrogen and oxygen, forming a gas to power your fuel cell car. Includes manual, explains how to build a solar powered car, the effects of direct and indirect radiation, the characteristics of a solar module, how to construct and load a reversible fuel cell, and the decomposition of water in the fuel cell.

Part No.	Description	1	10
307723CK	Fuel cell car and experiment kit	\$139.95	\$125.95



Thames & Kosmos Detector Radio Kit 29-piece kit

Build this radio kit without power from batteries or a wall outlet. Illustrates the basic principles behind radio broadcasting. Learn about HF coils, capacitors, resistors, diodes and the necessary components of a radio, plus the role each one plays.

Includes: 32-page color manual with 20 experiments

Part No.	Description	1	10
307707CK	Detector radio kit	SALE \$20.65	\$17.99



Thames & Kosmos Power House Kit 59-piece kit

Now you can build, heat and illuminate an energy-efficient house. Get to know and use the power of the sun, wind and new technologies. Conduct 70 experiments and build more than 20 devices with this Power House Kit.

Includes: 100-page full color manual

Part No.	Description	1	10
307731CK	Power house kit	\$139.95	\$125.95



Build Your Own Telegraph Kit 12-piece kit

Wind coils (with the included arbor, to ensure success), tinker with electromagnetism and magnetic fields, build a buzzer and replay, dabble in Morse Code and learn about the scientific methods used by great inventors. Superb documentation leads builders through the entire educational experience step-by-step. Multi-packs of this kit are available for classroom use, complete with valuable teachers guide. Call today for details and special pricing!

Part No.	Description	1	10
285624CK	Telegraph kit	\$49.95	\$45.55



CEBEK 1 Second to 3 Minute Timer Module

By operating a button, the relay will be activated for the selected time.

- Output contact rating: 5A @ 200VAC

Requires: Power supply 12V @ 50mA (recommend P/N 100095CK, pg 219)

Part No.	Description	Dimensions	1	10
147871CK	I-1 timer	3.0"L x 1.7"W x 1.2"H	\$19.95	\$17.95



3 Second On to 1 Minute Off Cyclic Timer Module

By triggering the timer, the contacts will be engaged. Once this time has expired, the relay will remain in the off state for 3-60 seconds. It then restarts, repeating the on and off process until power is disconnected.

- Output by relay • Contact rating: 5A @ 200VAC

Requires: Power supply 12V @ 50mA (P/N 100095CK, pg 219)

Part No.	Description	Dimensions	1	10
147846CK	I-10 timer	3.0"L x 1.7"W x 1.2"H	\$19.95	\$17.95



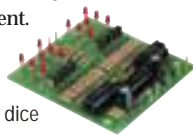
velleman Dual Electronic Dice Kit ■ 85-piece kit

Board games provide an excellent source of entertainment. Play with these electronic dice. Great for education of probability theory. Displays are switched off automatically after 30 seconds to save battery power.

- Two fully independent dice, you can play with one or two dice

Requires: 9V battery (recommend P/N 198791CK, pg 228)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
200352CK	K3400	3.0"L x 2.8"W	0.5	\$18.95	\$16.95



velleman Multifunction Clock Kit ■ 335-piece kit

A multifunctional clock with six 1.42" high digits that indicate time, date and temperature, selectable via a toggle switch. Includes a countdown



function to a specific date with the last day displayed in HH:MM:SS. Also functions as a chronometer with lap function (1 second resolution), a scoreboard (two players or teams, counts up to 199), a random number generator from 00 to 99, 2-digit dice, counter and chime. US and European display option for time, date, and temperature formats. All functions and settings are wireless remote controlled (wired remote is possible).

- Fixed 433.92MHz transmitter frequency
- Temp. range: -20°C to +70°C (10 resolution): 0°F to +1500°F (20 resolution)
- Memory back-up option: 9V battery or rechargeable battery
- Relay output: 1A/24V max • Power supply: 12VDC @ 300mA
- PCB size: 10"L x 32"W • Key chain remote control included

Part No.	Description	1	10
319281CK	Multifunction clock kit	\$99.95	\$94.50
319290CK	Case for multifunction clock kit	24.95	23.70

velleman Jumbo Single-Digit Clock ■ 37-piece kit

- Time displayed as sequence of digits
- Bright 57mm (2.25") jumbo single-digit red 7-segment display
- Single button operation • 12 hour system
- "Blank Display" function • Accuracy: 30ppm
- Power supply: 9 - 12VDC @ 150mA (max.)



Part No.	Product No.	Dimensions	1	10
645044CK	K3400	2.9"L x 2.3"W x 1.3"D	\$26.55	\$25.25

Test & Measurement Kits

Function Generator Kit ■ 21-piece kit

Sine, Triangle and Square Wave

Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.

- 21-piece kit (chip, components, PC board, hardware)

Requires: 12VDC supply or ±6VDC split supply (recommend P/N 20626CK, pg 307)

Part No.	Cross Ref. No.	Dimensions	1	10
20685CK	JE2206	4.1"L x 1.5"W	\$24.95	\$22.95



velleman Metal Detector ■ 22-piece kit

- Proximity range adjustable to 8cm • Size: 2.1"L x 2.1"W
- LED indicator: can use with a buzzer (P/N 105822CK, pg 182)

Requires: 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Product No.	Description	1	10
129091CK	K7102	Metal detector	\$11.95	\$10.95



velleman Water Leak Alarm Kit ● 7-piece kit

Alarms you about water overflows and leaks!

- Water sensor can be placed at a distance by cutting the board and using wires for connection • Incorporates loud alarm buzzer

Requires: 9VDC battery (P/N 151095CK, pg 228)

☉ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Dimensions	1	10
157315CK	MK108 ☉	2.8"L x 1.8"W	\$7.89	\$7.19



Gas Sensor/Spirits Tester Kit ■ 15-piece kit

This sensitive instrument indicates the presence of environmental gases such as alcohol, benzene, propane and carbon monoxide. With this board, you can build a tester with adjustable sensitivity, LED indicator, and a relay trigger for an alarm.

- Operating voltage: 12V @ 150mA • Relay: 1 x ON, 3A

Part No.	Product No.	Dimensions	1	10
313736CK	B051	2.2"L x 1.8"W	\$29.95	\$28.45



Clean Air Measuring Device Kit ■ 8-piece kit

Measures the relative air quality by detecting contaminants such as cigarette smoke, solvent vapors, exhaust gas, kitchen vapors, factory exhaust gas etc. are indicated by means of a measuring device. The device only indicates that the air quality has changed, it is not able to analyze the kind of air contamination (no chemical classification).

- Operating voltage: 12V
- Current consumption: 200mA



Part No.	Product No.	Dimensions	1	10
313832CK	B299	2.5"L x 1.5"W	\$29.95	\$21.80

LED VU Meter Kit ■ 36-piece kit

Built around the U1096BIC, this LED-based analog-style meter puts a bright, readable VU measurement right where you need it. With an operating voltage of 8 to 16 volts and input current of 20mA, this meter is perfect for a wide range of audio applications. It's even adaptable for non-VU applications, like voltage or current measurement. Switch it on, and you'll immediately see the possibilities in this bright-green, illuminated, adjustable display device!



Part No.	Description	1	10
313904CK	LED VU meter kit	\$24.95	\$23.70

Logic Probe Kit ● 13-piece kit

This logic probe tests digital circuits at various points, and shows whether that point is high, low, or constantly changing. This will help you understand and troubleshoot logic gates, timers, clocks, counters, pre-scalers, and other digital circuits.



Part No.	Description	Dimensions	1	10
662725CK	Logic probe kit	4.0"L x 0.75"Dia.	\$9.95	\$8.96

For more Robotics visit www.RobotStore.com

Super Snooper Big Ear Audio Amplifier Kit

17-piece kit

Listen through walls, hear conversations across the room or listen to sounds a block away. Add a parabolic reflector or mount the microphone in a tube to isolate unwanted noise and make a directional microphone.

- Operating voltage: 9VDC (recommend P/N 151095CK, pg 228)

Includes: Instructions, outputs for speakers or headsets, and schematic

Part No.	Description	Dimensions	1	10
151204CK	Audio amplifier kit	1.8"L x 1.0"W x 0.6"H	\$10.95	\$9.95



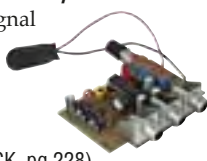
FM Stereo Transmitter Mini Kit

37-piece kit

Run your own FM radio station! Plug any stereo signal into this unit and it will be transmitted to any FM radio. Tuneable from 88-108MHz. Plug in a CD player or tape deck and you have a wireless link to an FM radio within 200 feet. Clarity is approximately 40dB stereo separation.

Requires: 9VDC power supply (recommend P/N 151095CK, pg 228)

Part No.	Description	Dimensions	1	10
151239CK	FMST-100 stereo kit	2.7"L x 2.0"W	\$29.95	\$26.95



FM Transmitter

26-piece kit

Mini FM transmitter (100-108MHz) ideal for family broadcasts, baby monitors and security. May be received by any portable FM radio or tuner.

- Integrated pre-amplifier (sensitivity 5mV)

Requires: 9-12VDC power supply (recommend P/N 20626CK, pg 307)

Part No.	Product No.	Dimensions	1	10
117604CK	K1771	1.8"L x 2.8"W	\$10.25	\$10.05



FM Radio Kit

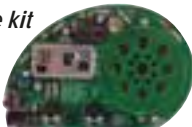
65-piece kit

Easy to assemble - no coils to wind. Receives the complete FM band of 88 - 108MHz.

- With on/off switch, volume control, and LED indicator
- Single adjustment

Requires: 12VDC @ 100mA power supply (recommend P/N 100095CK, pg 219)

Part No.	Product No.	Dimensions	1	10
211772CK	MK118	4.8"L x 3.3"W	\$21.95	\$19.95



One-Chip AM Radio Kit

39-piece kit

- Uses an IC that performs as an RF amp, detector and AGC in an AM radio

Requires: 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Description	Dimensions	1	10
125161CK	AM radio kit	4.0"L x 1.3"W x 0.5"H	\$13.95	\$12.95



10 LED Mono VU Meter Kit

36-piece kit

- Instant visualization of audio signal levels
- Easy hook up to a LINE level (LOW input) signal source
- Special input (HIGH input) is provided, which allows direct connection to a speaker
- Frequency range: 20Hz to 30kHz
- Dot or bar display mode selectable

Requires: 15VDC @ 300mA max. power supply (P/N 189982CK, pg 220)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147643CK	K4304	2.7"L x 1.4"H	0.3	\$16.99	\$15.99



Universal Mono Pre-Amplifier

17-piece kit

For audio applications with insufficient input signal.

- Output impedance: 1k Ω
- Max. input signal: 40mV
- Frequency range: 20Hz - 20kHz +/-3dB
- Adjustable output level: 40dB max.

Requires: 10/30VDC @ 10mA power supply (recommend P/N 20626CK, pg 307)

Part No.	Product No.	Dimensions	1	10
117612CK	K1803	1.2"L x 1.8"W	\$8.95	\$7.95



1-Watt Amplifier Kit

9-piece kit

Amplifies audio signals for an 8 Ω speaker. Use on P/N 125111CK and P/N 147838CK.

- Ideal part for larger projects & battery powered circuits
- Circuit designed around a single TDA7052 IC
- Battery and battery snap not included (recommend P/N 151095CK, pg 228 and 11279CK, pg 232)
- Drives 8 Ω speaker (not included)

Part No.	Description	Dimensions	1	10
125111CK	1 watt amp kit	1.2"L x 1.2"W x 0.9"H	\$6.29	\$5.59



valleman

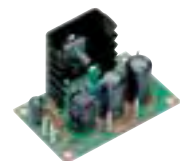
7-Watt Amplifier Kit

22-piece kit

- Music output power: 7W @ 4 Ω
- RMS output: 3.5W @ 4 Ω & 2W @ 8 Ω
- Harmonic distortion: 0.05% (1W/1kHz)
- Frequency response: 20 to 20kHz (-3dB)
- Short circuit/overload protection

Requires: 15VDC (8-18VDC) @ 500mA power supply (recommend P/N 155803CK, pg 220); speakers

Part No.	Product No.	Dimensions	1	10
127255CK	K4001	2.2"L x 1.4"W	\$13.95	\$12.49



18-Watt Bridged Mono Amplifier Kit

17-piece kit

- Drives 3-8 ohm speaker
- Based on the Hitachi HA13118 amplifier IC

Requires: 12VDC supply (recommend P/N 100095CK, pg 219)

Part No.	Description	1	10
136207CK	18 watt amplifier kit	\$15.59	\$13.95



CEBEK

20-Watt RMS Amplifier Module

- Input signal: 250mV
- Maximum current: 2A
- Output impedance: 4-8 Ω (mono)
- Pre-assembled
- Terminals: 0.1" matching disconnect solderless terminals
- Size: 2.8"L x 2.8"W x 1.6"H

Requires: Power supply: 12V @ 2A (recommend P/N 143714CK, pg 215)

Part No.	Description	1	10
147838CK	E-11 mono amplifier	\$24.95	\$22.49



valleman

30-Watt Stereo Power Amplifier

38-piece kit

General purpose stereo amp for audio applications.

- RMS output: dual 15W @ 4 Ω or dual 10W @ 8 Ω
- Frequency bandwidth: 7Hz to 60kHz (-3dB)
- Separation: 70dB
- Supply voltage: 24VCT @ 2A (recommend P/N 101864CK, pg 223)

Part No.	Product No.	Dimensions	1	10
129138CK	K4003	2.8"L x 2.0"W	\$29.95	\$26.95



200W Mono/Stereo Amplifier

57-piece kit

Three keywords to describe this amplifier: **universal** - a stereo or a mono amplifier with three input sensitivity settings; **robust** - overload and short-circuit protection against incorrect power supply polarity and thermal protection; and lastly **compact**.

- RMS output power: 2 x 50W/4 Ω ; 2 x 40W/8 Ω
- RMS mono-bridged power: 100W/8 Ω
- Total music output: 200W
- Harmonic distortion: 0.01% @ 1kHz
- Signal to noise ratio: 102dB
- Stereo channel separation: 85dB
- Input impedance: 22k Ω
- Input sensitivity: 300mV/550mV/1V switchable
- Power supply: \pm 28VDC

Part No.	Product No.	Dimensions	1	10
645301CK	K4004B	8.3"W x 3.4"H x 2.5"D	\$91.15	\$89.75



Guitar Pre-Amplifier w/ Headphone Output ■ 34-piece kit

An electric guitar cannot be connected to just any amplifier or audio installation. This pre-amplifier has been designed for this purpose and provides you with a headphone output, allowing you to practice without disturbing others. Fitted with a special device for tone adjustment to create your own sound.

- Headphone output: 2 x 50mW/32Ω (max.)
- Sound adjustment
- Adjustable input sensitivity
- Power supply: 9V battery (not included)

Part No.	Product No.	Dimensions	1	10
645327CK	K4102	4.1"L x 2.8"W x 1.2"H	\$34.99	\$32.99

Sound Generator Kit ■ 61-piece kit

- Produces 10 different sounds w/ adjustable speed: guns, sirens, car engines, explosions, tunes, screeching tires, phaser guns
- Push-button keyboard

Requires: 8Ω, 1 watt speaker; 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Product No.	Dimensions	1	10
127562CK	K4401	2.8"L x 2.8"W	\$29.95	\$26.95

Siren Kit ● 20-piece kit

- Oscillator is off until you press the switch, then a rising tone is produced until a steady value is reached
- If switch is released, tone starts dropping until it cuts off
- Circuit designed around a dual op amp connected as an oscillator and driver

Requires: 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Description	Dimensions	1	10
125137CK	9V siren	2.0"L x 0.8"W x 0.5"H	\$7.95	\$7.15

Train Sound Generator Kit ● 11-piece kit

- Produces 4 train sounds by switch selection
- Components supplied for operation on 3VDC (includes battery holder for 2 AA batteries), but circuit will operate from 2.4-6VDC (recommend P/N 198707CK 2 each, pg 228)

Part No.	Description	Dimensions	1	10
125170CK	4 train noises	1.1"L x 0.6"W x 0.2"H	\$9.49	\$8.59

FM Stereo Transmitter Kit ■ 45-piece kit

Transmit to any FM radio tunable from 88 to 108MHz. Tune your receiver to a clear spot on the dial, a spot you cannot hear any signal, then tune the FMC-2000 until you hear its signal. Compatible with any of your audio system components. Plug in your CD player or tape deck and have a wireless link to any FM radio. Transmit music from your computer to any FM Radio. Transmit music on one channel, sing on the other. Clarity is excellent, approx. 40dB stereo separation. Transmits up to 200 ft.

Part No.	Product No.	1	10
662741CK	FMC-2000	\$54.95	\$46.46

Radio Direction Finder Kit ▲ 69-piece kit

A direction finder antenna that connects to any UHF/VHF Ham Radio or Scanner; great for finding hidden transmitters that are raising havoc with your repeater. Tune your radio to the frequency of the transmitter you are trying to locate (from 140MHz to 500MHz); you will hear a tone and the transmitter modulation at the same time. To further check your progress, the signal level meter of the radio should rise.

Part No.	Product No.	1	10
662733CK	SDF-1	\$44.95	\$40.46

Electronic Record/Playback Module ▲ 64-piece kit

High-quality, natural voice/audio reproduction. Can be used to greet visitors, play pranks, or warn off burglars. EEPROM technology with 100-year message retention, and up to 20 seconds of recording time per module. No memory loss in case of power failure. 2 play modes: push once to play message/play message until button is released.

- Speaker output: 12mW, 8 ~ 16Ω
- Sampling frequency: 6.4kHz
- Power consumption: DC power supply: 4mA standby, 100mA (max.) during playback; battery operated: 20uA standby, 100mA (max.) during playback
- Power supply: 8 - 18VDC or 6V battery (4 AA or AAA not included)

Part No.	Product No.	Dimensions	1	10
645335CK	K8030	3.7"L x 2.9"W x 1.0"H	\$33.85	\$29.59

200W Power Amplifier Module

- Fully discrete design using epitaxial Darlington transistors
- DC supply circuit on board with LED indication
- Ideal for active speaker system or subwoofer, guitar amp, home theatre systems, instrument amp, etc.
- Comes fully adjusted and tested
- Overload and short-circuit protection
- 200W music power @ 4Ω load
- 100Wrms power @ 4Ω load
- 70Wrms power @ 8Ω load
- Distortion: 0.02% @ 1kHz/10W
- Damping factor: >800
- Frequency response: 3Hz to 200kHz (-3dB)
- Sensitivity: 0.6Vrms
- Signal to noise ratio: 115dB
- Power supply: 25-30VAC, 120VA
- PCB dimensions: 107x62mm (approx.)
- Recommended power transformers: 230VAC input, 2 x 30VAC output; 115/230VAC input, 2 x 25VAC output

Part No.	Product No.	Dimensions	1	10
645239CK	VM100	4.2"L x 2.4"W	\$66.05	\$64.99

Wide Band Amplifier Kits ■

662750CK: 7-pieces

- 1MHz to 1.5GHz, 7.5dB NF
- 1dB compression = +11dBm
- Gain: 1MHz - 8dB to 1.5GHz - 5dB
- Power requirements: 12VDC @ 50mA

NEW

662768CK: 7-pieces

- 1MHz to 2.5GHz, 2.8dB NF
- 1dB compression = 0dBm
- Gain: 1MHz - 20dB to 2.5GHz - 6dB
- Power requirements: 12VDC @ 6mA

662784CK: 11-pieces

- Gain: 4MHz - 29dB to 1.9GHz - 17dB
- 4MHz to 1.9GHz, 3dB NF
- Power requirements: 12VDC @ 56mA
- 1dB compression = +8dBm

Part No.	Product No.	Dimensions	1	10
662750CK	WBA4	1.2"L x 0.8"W	\$14.95	\$13.46
662768CK	WBA6	1.2"L x 0.8"W	19.95	17.96
662784CK	WBA64	2.5"L x 0.8"W	29.95	26.55

Audio Stereo Amplifier Kit ■ 32-piece kit

This kit teaches how amplifiers take a small signal and amplify it to drive two small speakers or headphones. Provides up to 1-Watt of low-distortion audio power. The harmonic distortion is 0.2% and the voltage gain is up to 46dB.

Part No.	Product No.	Dimensions	1	10
662670CK	EBST-11	2.8"L x 2.3"W	\$9.95	\$8.96

Velleman Voice Activated LEDs Kit ■ 33-piece kit

Uses sound to activate the flashing of 4 bright red LEDs.

- Power consumption: 0.5mA min./12mA max.
- Adjustable sensitivity

Requires: 8-15VDC power supply (P/N 100095CK, pg 219) or 9VDC battery (P/N 151095CK, pg 228)

Part No.	Product No.	Dimensions	1	10
147571CK	MK103	2.5"L x 1.6"W x 1.4"H	\$9.95	\$8.95

velleman Parking Radar Kit ■ 55-piece kit

Parking in tight places can be difficult, but this unit can tell you when you have come within an adjustable preset distance of the object near you.

- Detection range: 5cm – 1.5m; angle: 5°
- Transmitter frequency: 40kHz
- PCB size: base (4.9"L x 1.9"W) sensor (3.8"L x 1.1"W)

Requires: 10-15VDC @ 16mA max (recommend P/N 100095CK, pg 219) or auto power plug (recommend P/N 115001CK, pg 151)

Part No.	Product No.		1	10
129120CK	K3502		\$39.95	\$34.95

velleman Stroboscope Kit ▲ 19-piece kit

Make your own snapshots and "lightning" light effects. Flash frequency adjustable from 2 - 20Hz.

- Input: 110VAC

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
117639CK	K5300	3.5"L x 2.6"W	0.5	\$15.85	\$15.15

velleman 3-Channel Light Organ Kit ■ 80-piece kit

Add a 3-channel dancing light display to your music. Each channel displays a different range of sound.

- Frequency ranges are adjustable
- Microphone input
- Maximum load 2A per channel
- Each output has individual sensitivity control

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
131684CK	K8017	6.7"W x 5.6"D x 1.7"H	1.2	\$49.95	\$39.95

IR LED Illuminator Kit ● 41-piece kit

- 36 high powered infrared LEDs
- At 24" the beam is approximately 3.5' across
- Improve low-light camcorder and CCD camera images without visible light

Requires: 12-15VDC power supply (recommend P/N 114825CK, pg 219)

Part No.	Description	Dimensions	1	10
157964CK	IR illuminator kit	2" Dia.	\$16.95	\$15.29

Light Sensitive Relay Kit ■ 20-piece kit

Build a stable and advanced circuit that uses light to control a SPDT 10A relay.

- Dimensions: 2.4"L x 1.3"W x 1.0"H

Requires: 12VDC power supply (P/N 100095CK, pg 219)

Part No.	Description	Wt. (lbs.)	1	10
136223CK	Light relay kit	0.1	\$12.95	\$11.65

Stop Light Controller Kit ■ 36-piece kit

This kit will simulate the operation of red, yellow, and green traffic lights. Applications such as model train displays, three way traffic intersections, dancing light in a party room, and other countless applications. If you would need to control larger lamps you can connect a relay or an I/O module to each output.

- Red, yellow and green LEDs included
- Power requirements: 7.5 to 18VDC

Part No.	Cross Ref. No.	Dimensions	1	10
662709CK	STOP-1	2.8"L x 2.3"W	\$17.95	\$16.16

Ultrasonic Motion Detector Kit ■ 49-piece kit

Detect motion/movement 13 - 23 ft. away and trigger an alarm w/ this kit.

- 2 boards: one with matched pair of ultrasonic transducers to detect motion from 13 to 23 ft. away; 2nd board contains crystal controlled oscillator & all circuits
- Switchable latch, red LED indicator
- Solder pad output to drive external relay or circuits
- Size: main board: 2.8"L x 2.0"W x 0.8"H; transducer board: 2.8"L x 0.6"W x 0.9"H

Requires: 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Description	1	10
125090CK	Ultrasonic alarm kit	\$29.95	\$26.95

Senix Distance Sensor Modules

Sends out a sound wave 20 times per second and calculates the distance based on the time differential between sent and echoed signals. The distance is represented by an output voltage from 0 to 10VDC (P/N 134105CK) or RS-232 signal (P/N 151482CK).

- Sensing range: 4" to 60"
- Sensor diameter: 1.8"
- Board size: 2.8"L x 1.8"W x 0.9"H
- One-year warranty

Requires: 15 to 24VDC @ 40mA (not included), recommend P/N 114825CK, pg 219

134105CK: • Output voltage: 0-10VDC

• Each 1VDC increment = 5.6" (e.g.: 1VDC output = 9.6")

151482CK: • RS-232 output

Includes: Software diskette and computer cable

Part No.	Description	Wt. (lbs.)	1	10
134105CK	Sensor - voltage output	0.2	\$159.95	\$143.95
151482CK	Sensor - RS-232 output	1.0	179.95	161.95

velleman Scrolling Message Kit ■ 76-piece kit

Create your own scrolling message with this 35-LED graphic display kit. Press "SET" to change a particular character, "UP or DOWN" arrow to select the character, and end your scrolling message with the "<" character.

- 35-LED display
- Maximum 16 characters

Requires: 9 to 12VDC @ 20mA (recommend P/N 100845CK, pg 219)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
200310CK	MK124	3.5"L x 2.6"W x 1.8"H	0.2	\$24.95	\$22.45

Moving Message Board

Ideal for advertisements and meetings.

Two scrolling speeds and memory backup power (up to 3 months). Max. 600 characters can be programmed.

- 1.25" dot matrix LED display
- Large memory capacity: 4 messages + 1 alarm message
- Alarm message is activated by N.O. switch
- Select fast or slow scrolling speed
- Memorized data are saved by backup battery (2 x AAA-batteries)
- Power supply: 12VDC/500mA adapter included
- 10 characters wide display
- Low-battery indicator

Part No.	Product No.	Dimensions (external/display)	1	5
645474CK	MML-10	11.8"L x 3.5"W x 2.8"H/10.8"L x 1.4"H..	\$151.95	\$144.35

velleman Flashing LED Sweetheart Kit ■ 46-piece kit

This kit shows a beating heart. Great for decorations!

- Power consumption: 8mA

Requires: 8 to 15VDC wall transformer (P/N 100095CK, pg 219) or 9VDC battery (P/N 151095CK, pg 228)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147555CK	MK101	2.5"L x 2.4"W x 1.2"H	0.1	\$11.95	\$10.95

velleman Flashing LED Kit ■ 23-piece kit

Activates 2 flashing LEDs for applications such as model building. Flashing speed controlled by potentiometers.

- 5.5" wire w/ 9V battery connector
- Consumption: 4mA min.

Requires: 9VDC battery (P/N 151095CK, pg 228)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147580CK	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19

2-Digit Serial LED Display w/ Interface Kit ■ 46-piece kit

- Bright, red jumbo-sized 7-segment displays (57mm)
- Up to 255 units can be separately addressed
- Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/no parity/one stop bit
- Can be linked to create large readout for score-keeping, timing and counting

Part No.	Description	Dimesnsions	1	5
645221CK	2-digit serial LED kit	2.9"L x 2.3"W x 1.3"H	\$47.29	\$43.31

Lightbulb Kit ● 5-piece kit

Booklet & kit components provide a complete learning experience, from basic electricity to the effects of vacuum and different filament materials. Whether as a gift or as the basis of a prize-winning Science Fair presentation, this kit is the perfect choice for "bright" kids! Plus, the refurbishment pack (available separately) includes all materials needed to reuse the kit.



Part No.	Description	1	10
285595CK	Build your own lightbulb kit	\$48.95	\$45.49
285616CK	Refurbishment filament pack for kit	12.65	11.69

3D Flashing Christmas Tree Kit ■ 36-piece kit

- 16 flashing red LEDs
- Low power consumption: 8mA
- Extra green and yellow LEDs to customize your tree
- Size: 3.1"L x 3.5"W x 4.0"H

Requires: 9V battery (recommend P/N 151095CK, pg 228)

Part No.	Product No.	1	10
211781CK	MK130	\$10.95	\$9.95

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Shown with Battery (not included)



Flashing Pumpkin Kit ■ 71-piece kit

- Random flash effect simulates flickering candle
- 1 extra high intensity yellow LED illuminates the pumpkin
- 25 bright LEDs • On/Off switch • Size: 3.2"Hx4.0"Wx1.3"D

Requires: 9V battery (P/N 198791CK, pg 228)

Part No.	Product No.	1	10
236081CK	MK145	\$9.99	\$8.99

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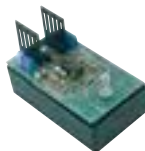
Motor Drive Kits

DC Motor Speed Control Kit ■ 35-piece kit

- This kit uses Pulse Width Modulation to vary the speed of a DC motor and maintain torque
- For motors up to 100VDC/5A max.

Requires: 5-16VDC supply (recommend P/N 114825CK, pg 219)

Part No.	Description	Dimensions	1	10
127829CK	Motor control kit	3.6"L x 2.3"W x 1.2"H	\$19.95	\$17.95



Unipolar Stepper Motor Driver Kit ■ 29-piece kit

- Drives 5, 6 or 8 lead unipolar stepper motors
- Will drive unipolar stepper motors rated 6-30VDC @ up to 1.25A
- Onboard 5VDC regulator

Part No.	Description	Dimensions	1	10
139109CK	Stepper motor	2.6"L x 1.9"W x 1.0"H	\$29.95	\$26.95

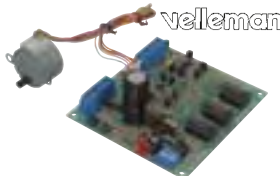


Stepper Motor Controller & Motor Kit ■ 102-piece kit

Useful in any home automation project where positioning is needed, such as controlling valves, HVAC duct dampers, natural light through window blinds, remotely turning down water heaters, or any robotic projects. This controller card can be used with P/N 128928CK (K8000 - computer interface board) and 16 of these kits can be connected to a single computer interface board. Both bipolar and unipolar motors can be used with this controller card (1A max.). Includes a high precision stepping motor (0.9 degree stepping angle).

- IC controlled via P/N 128928CK (K8000)
- Adjustable drive speed
- Check status of switches via computer interface board or drive another motor
- Power supply: 7 - 25VAC or VDC @ 1.5A (recommend, P/N 237067CK, pg 219)
- Emergency stop can be sent to one or all cards
- Program in Visual Basic, Turbo Pascal for DOS & Quick Basic (Windows® 95/98/ME)

Part No.	Product No.	Dimensions	1	5
263628CK	K8005	3.9"L x 3.5"W	\$59.95	56.95



Fiber Optic Lab Kit ■

Kit contains nine fiber optic experiments and all the electronic components needed.

- Fiber optic cable transmission
- Characteristics of connectors and splices
- Speed of opto-electronic devices
- Making a light guide
- Index-matching procedures
- Receiver design
- Weight: 0.7 lbs.
- Fiber optic transmitter
- Fiber termination techniques



Part No.	Description	1	10
169914CK	Lab course and lab kit	\$44.95	\$41.39

Infrared Transmitter/Receiver Kit ● 26-piece kit

Transmit a 40kHz modulated IR signal a distance of 6' to 8'. Can be used as a remote switch to turn objects OFF and ON by infrared. The IR receiver will only receive 40kHz modulated infrared light. You can configure the output for normally ON or normally OFF operation. This allows you to use it as a security sensor or as a remote control switch. You can use the receiver to test TV or VCR remote controls.

- Transmitter size: 1.0"L x 0.8"W
- Receiver size: 1.4"L x 1.2"W

Requires: 6 to 15VDC battery (recommend P/N 151095CK, pg 228)

Part No.	Cross Ref. No.	Description	1	10
177092CK	IR-2	Transmitter/receiver	\$24.95	\$22.49



Power Supply Kits

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1 Amp Power Supply Kit ■ 12-piece kit

Provides a regulated voltage adjustable between 1.2 and 35 volts at 1 amp. LM317 regulator gives you remarkably better ripple and regulation characteristics than conventional regulators.

- Output current max.: 1.5A
- Max. input voltage: 40V
- Max. dissipation: 15W (cooled)

Requires: 25.2VCT @ 2A quick connect power transformer (recommend P/N 102103CK or equivalent, pg 223)

Part No.	Product No.	Dimensions	1	10
117621CK	K1823	2.1"L x 2.1"W	\$12.95	\$11.65



Dual Adj. Regulated Power Supply Kit ■ 48-piece kit

Build a dual adjustable power supply for your circuits.

- Adjustable positive/negative supplies ± 5 to ± 15 VDC, 175mA - 750mA per supply
- LED on indicator
- 120VAC input
- PC board construction

Part No.	Cross Ref. No.	Dimensions	Wt. (lbs.)	1	10
20626CK	JE215	5.1"L x 3.5"W x 2.0"H	2.1	\$22.95	\$20.49



DC to Pulse-Width-Modulator Kit ▲ 40-piece kit

The circuit converts a DC voltage into a series of pulses, directly proportional to the value of the DC voltage.

- Operating voltage: 8 to 35VDC
- PWM frequency: 100Hz to 5kHz (adjustable)
- Min. consumption: 35mA
- Max. output current: 6.5A
- Efficiency: better than 90% at full load
- Adjustable sensitivity: 2.5 to 35VDC
- PWM range: 0 to 100%

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
120539CK	K8004	3.3"L x 1.9"W x 1.8"H	0.5	\$22.95	\$20.49

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DC Voltage Monitor Kit ● 46-piece kit

If battery status is important, you need this kit. It uses 7 LEDs to monitor 12VDC in 1V, 0.5V, or 0.25V steps. Monitor 8V or 5V in 0.25V steps. Great for boats, motor homes, model planes or race car NiCADs.

Part No.	Cross Ref. No.	Dimensions	1	10
181833CK	VM-1	2.7"L x 1.3"W	\$8.95	\$7.95



Micro Bug Kits

A brightly colored miniature bug-shaped robot that is attracted to light.

- Two open chassis sub-miniature motors
- LED "eyes" indicate driving direction
- Adjustable light sensitivity that suits almost any light conditions
- Stops in total darkness • Size: 4.0" x 2.4"

Requires: 2 AAA batteries (recommend P/N 249181CK, pg 228)

Part No.	Product No.	Description	Pieces	1	10
200328CK	MK127	Running	26	\$18.95	\$16.95
200336CK	MK129	Crawling	29	21.45	19.35

Computer Control Interface Kit

Connects to printer port without interruption of the printer. Works well in control applications.

- Full opto-isolation with computer
- Analog inputs: 4 (AD1 to AD4), resolution: 256 steps
- Analog outputs: 8 (DAC1 to DAC8), resolution: 64 steps
- 3.5" disk with routines in C++, QBASIC, Turbo Pascal • 16 I/Os w/ opto coupler

Requires: DB25 cable (P/N 67256CK, pg 106)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
128928CK	K8000	9.3"L x 5.3"W	1.7	\$139.95	\$125.95

Universal Relay Controller Card Kit

An electronic controller that switches higher currents while providing insulation between the controller and the controlled devices.

- 8 channels expandable to 16 using 8 each P/N 144186CK
- Relay output: maximum 5A/220VAC
- TTL or 5V CMOS inputs (recommend P/N 34315CK, pg 41)
- Contact voltage: 12VDC @ 250mA

Requires: 220 or 125VAC power source

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
128910CK	K6714	8.3"L x 5.9"W	1.8	\$59.95	\$53.95
144186CK	VR15M121C relay (JZC-22F)		0.028	3.79	3.39

Relay Card

Connecting a number of relays to the outputs of an electronic network may seem very simple, but in reality it could create some problems regarding the cabling. This kit provides an attractive and compact alternative. Easy to assembly and can be connected instantly.

- 4 x 3A relay outputs

Requires: 9VDC @ 300mA power supply (recommend P/N 133891CK, pg 219)

Part No.	Description	Dimensions	1	10
239476CK	Relay card kit	3.0"L x 2.7"W	\$19.99	\$18.99

USB Interface Card Module

Interface board has 5 digital input channels and 8 digital output channels. In addition, there are two analog inputs and two analog outputs with 8-bit resolution. Inputs/outputs can be expanded by connecting more cards to the PC's USB port (max. of four).

Diagnostic/Test Software

- Separate output/input test
- Clear all/set all function
- Counter function on inputs 1 and 2 with adjustable debounce
- Analog output set sliders
- Analog input bar-graph indication

Part No.	Description	1	10
645263CK	USB interface card module	\$65.55	\$64.49

Obstacle Avoidance Robot Kit

Six crank motion legged robot utilizes an infrared light sensing system to find obstacles and maneuvers itself around them. This IR detection kit includes an infrared diode, photo diode, IC, 2 DC motors and all hardware.

Part No.	Description	Dimensions	Wt. (lbs.)	1	10
140821CK	Spider kit	12.0"L x 7.0"W x 3.5"H	1.2	\$49.95	\$45.50

Remote Control by Telephone

- Turn on or off up to three devices (lights; check alarm systems; water heater; garage doors)
- Check conditions of a switch (open or closed)
- Protected by a user-defined code
- Pick up after 3 or 8 rings (selectable)

Requires: 12VAC @ 300mA (P/N 101258CK, pg 221)

Includes: Relay for one output (10A/250VAC)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
120678CK	K6501	4.1"L x 5.1"W	0.7	\$69.49	\$62.59

Hovercraft Kit

This super kit is fun to build and a "blast" to run, but there's a bonus: education! Through the kit's curriculum (available online), budding scientists and engineers will learn principles of electricity and circuits, propellers, conversion of energy and other core concepts. And at the end of the learning process, they'll have a cool, battery-powered hovering vehicle that can glide over any smooth surface, even water!

Part No.	Description	Price
285641CK	Hovercraft kit	\$21.79

Robotic Arm Trainer Kit

Five Axes of Motion

Teaches basic robotic sensing and locomotion principles while testing your motor skills as you build and control the arm. This unit can be commanded or instructed through its five-switch wired controller with lights to grab, release, lift, lower, rotate wrist, and pivot sideways. Five motors and joints allow flexibility.

- Max. length: 14.2"
- Max. height: 20.1"
- Max. lifting capacity: 4.6 oz.
- Grip opens to 2" wide
- Shoulder movement @ 120°
- Elbow moving range @ 135°
- Wrist rotation clockwise or counter clockwise: 340°
- Rotates left to right at the base 350° • Weight: 4.5 lbs.

Requires: 4 D batteries (recommend P/N 215845CK, pg 228)

Part No.	Description	1	10
157366CK	Robotic arm kit (unassembled)	\$74.95	\$67.49
159345CK	Robotic controller software (DOS 4.2 & up, Windows® 95/98)	84.95	76.49

Battery Charger Kits

Lead Acid Battery Charger Kit

For charging and maintaining both open and sealed type 6V or 12V lead-acid batteries. Can be hooked-up to the unit for an indefinite time, and will be kept in optimal condition.

Requires: 18V/25VA transformer (P/N 149956CK, pg 223)

Part No.	Description	1	10
239521CK	Lead acid battery charger kit	\$39.95	\$37.95

Solar Cell Battery Charger Module

Going "off the grid" with solar cell or other alternative power set-ups? Then you need this electronic watchdog to supervise your battery charging! (A 5-amp fuse and fuse-holder recommended, not supplied.) LED indicators clearly denote charging and "full" conditions.

- Input: 14V to 22V (open circuit voltage), nominal -12V
- Max. input current: 5A
- Inrush voltage: battery voltage
- Interrupting voltage: battery voltage approximately 13.9V
- Own power consumption: <3.9mA (with LED on) • Size: 2.8"Lx2.0"Wx1.1"H

Part No.	Description	1	10
314211CK	Solar cell battery charger module	\$16.95	\$16.05

Look for these symbols on all of our kits to find the level that is right for you.

● = Beginner

■ = Intermediate

▲ = Expert

PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add \$7.50 per C.O.D. order. Include the name and address of your bank and your account number.

International Orders

All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment.

E-mail: international@Jameco.com.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error may be subject to a restock fee. Call our customer service department at 1-800-536-4316 or visit www.Jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. A completed Jameco customer service form, located on the back of the packing slip, must be included with your return. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

5 EASY WAYS TO ORDER

Telephone: Toll-Free 24 hours a day!

1-800-831-4242

International orders, call 1-650-592-8097

Toll-Free FAX:

US/Canada: 1-800-237-6948

Brazil: 000-817-455-6119

Columbia: 980-9-136748

Indonesia: 1-803-015-237-6948

Mexico: 001-800-593-1449

New Zealand: 080-044-0470

Other Countries: 1-650-592-2503

Online:

<http://www.Jameco.com>

On-line catalog! Our complete offering of products is searchable on the Jameco website!

Mail:

E-mail your order to:

sales@Jameco.com or fill out the order form (next page) and mail it to us.

In-Person:

Visit Jameco at 1355 Shoreway Rd., Belmont, CA. Will-call office hours are 8:00 a.m. – 5:00 p.m. Monday – Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday – Friday from 6:30 a.m. – 5:00 p.m. PST or via e-mail:

- International Sales (international@Jameco.com)
- Customer Service (custservice@Jameco.com)
- Credit Department (credit@Jameco.com)
- Technical Support (tech@Jameco.com)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

A Nuestros Clientes en

La Republica Mexicana: Si usted requiere tratar en Espanol y adquirir nuestros productos facturados L.A.B. Cd. De Mexico (libres de Aduana) y enviados al interior del pais via Estafeta, contacte con nuestro Representante y Distribuidor en Mexico:

Proyeccion Electronica de Mexico S.A. de C.V.

General E-mail: infojameco@yahoo.com.mx

Telefono/Fax: 01-(55) 1676-1658/

Preguntar por tono para transmision de fax

Direccion:

Paseo de las Haciendas 262 Planta Alta
Fracc. Jardines de la Hacienda C.P. 54720
Cuautitlan Izcalli, Estado de Mexico, Mexico

Los demas paises de Latinoamerica: Ya pronto tendremos servicio en su Region. Si usted tiene alguna duda o comentario respecto a los servicios de Jameco, contacte con la empresa arriba mencionada en la Ciudad de Mexico, ellos le pueden ayudar.

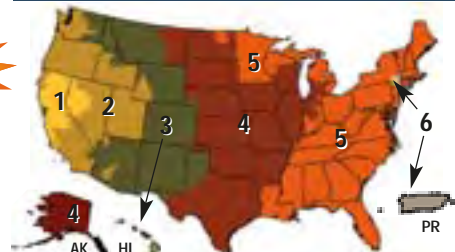
PRICES

Prices are effective 04-10-06. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

RoHS COMPLIANCE

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

- | | | |
|--------|--------|--------|
| 1 day | 2 days | 3 days |
| 4 days | 5 days | 6 days |

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth \$5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days. Sorry we are unable to ship products mailed from an alternate warehouse via C.O.D. or U.S.P.S.

Ground Service

Up to 6 working days for commercial address (up to 9 working days for residential). Guaranteed delivery times may vary depending on zip code. \$6.49 for 1st 2 lbs.; \$0.79 for each additional lb.

2-Day Air Service

\$13.95 for 1st 2 lbs.; \$1.99 for each additional lb.

Next Day Air Service

- \$31.95 for AM delivery for 1st 2 lbs.; \$2.69 for each additional lb.
- \$21.95 for afternoon delivery for 1st 2 lbs.; \$2.49 for each additional lb.

Priority Mail (USPS)

\$5.95 for 1st lb.; \$1.49 for each additional lb. Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day.

Packaging Weight

Packaging weight will be assessed at 1/2 lb., plus an additional 1/2 lb. for each 10 lbs. of product.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A \$5.00 processing fee will be added to U.S. orders under \$25.00. This fee will be waived on web orders. All international orders below \$40.00 will incur a \$7.50 processing fee.

Order Form

See previous page for Ordering Information

Fax 1-800-237-6948 Order 24 hours/7 days a week!

Jameco, 1355 Shoreway Road, Belmont, CA 94002 Call: 1-800-831-4242 International TEL: 1-650-592-8097 FAX: 1-650-592-2503

1 Ordered By (We will ship to this address unless you enter #2).

Customer No. _____ VIP No. _____
(see back cover)

Company

Name of Requisitioner

Title

Name of Purchasing Agent

Title

Street Address/PO Box Number

City

State

Zip Code

Contact information (please provide all information and check method preferred)

()

Daytime phone number - Required for Credit Card Orders

()

Fax Number

E-mail Address

☐ Please check this box if you prefer not to receive special offers via e-mail from Jameco.

2 Ship To (Only required if different from #1)

Company

Name

Title

Street Address/PO Box Number

City

State

Zip Code

3 Method of Payment

☐ Prepaid (check enclosed) ☐ C.O.D. (\$7.50 service charge)

☐ Net 30 Days (Account must be previously established. Authorized P.O. # required.)

PURCHASE ORDER NO.: _____

☐ Credit Card

Credit Card users only:



Credit Card Number

--	--	--	--	--	--	--	--	--	--

Exp. Date: Month

--	--

Year

--	--	--	--

Name on card

Billing Address Street/PO Box

City/State/Zip

4

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	PAGE NO.	WEIGHT (LBS.)	UNIT PRICE	TOTAL
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

PRODUCT WEIGHT	SUB-TOTAL
Packaging Weight (Add 1/2 lb. + 1/2 lb. for each 10 lbs. of product)	
Total Weight (Round to next lb.)	

5 Please Check Shipping Method Below



- ☐ **Priority Mail (USPS)**\$5.95 for 1st lb., \$1.49 for each additional lb.
- ☐ **Ground**\$6.49 for 1st 2 lbs., \$0.79 for each additional lb.
- ☐ **2 Day Air Service**\$13.95 for 1st 2 lbs., \$1.99 for each additional lb.
- ☐ **Next Day Air Service (PM delivery)**\$21.95 for 1st 2 lbs., \$2.49 for each additional lb.
- ☐ **Next Day Air Service (AM delivery)**\$31.95 for 1st 2 lbs., \$2.69 for each additional lb.
- ☐ **Foreign Shipment via Air Parcel Post**Shipping approximately 25% of order total. Excess fees will be refunded. Additional shipping methods available.

Some restrictions may apply. See order information (previous page) for other shipping methods and conditions of sale.
Shipping rate is based on a single package shipment.

\$5.00 processing fee on U.S. orders under \$25; \$7.50 for international orders under \$40 (fees waived for web orders)	
Please Add Applicable Sales Tax (California Only)	
Shipping (See Item 5)	
C.O.D. (add \$7.50)	
Credit Memo (please attach)	—
TOTAL	

6

JAMECO thanks you for your order!

#	FOR OFFICE USE ONLY
	/

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ESD-Safe, Lead-Free Soldering Station

The many features of this product make it the ideal tool for service and repair technicians as well as production line soldering operators. This unit has been developed to meet the present and future RoHS-compliant soldering needs of the electronic production industry and is ideal for use at any AC outlet.

- Specifically designed for RoHS-compliant soldering
- $\pm 3^{\circ}\text{C}$ temperature stability
- Temperature adjustable $0-45^{\circ}\text{C}$ ($0-85^{\circ}\text{F}$)
- 24VAC Hi-Recovery nichrome heating
- Auto power down idle circuitry, 15-minute non-operation
- 45 second ramp time to max temp setting
- Full digital LED readout in both $^{\circ}\text{C}$ and $^{\circ}\text{F}$
- Easy external calibration port
- Slimline ergonomic pencil design for maximum dexterity and comfort
- Revolutionary "Zero Voltage" electronic switching design protects voltage and current-sensitive components against damaging current and transient voltage spikes
- Pb-free (lead-free) soldering application qualified
- Size: 6.1"W x 6"D x 4"H • Weight: 8.0 lbs.
- 100W, 115/230VAC 50/60Hz

Part No.	Description	1	5
667551CK	Soldering station 	\$229.95	\$223.15

For more soldering stations and accessories, see pages 284-288

USB Interface Universal Programmer

- 12,000+ device types supported
- Menu-driven software
- Programs EPROM, EEPROM, Serial PROM, FLASH, PLD/CPLD/FPGA, and MPU/MCU

- High speed USB port is provided to connect to the majority of notebook or desktop PC runs on Windows® 95/98/2000/XP
- On-board 40-pin socket for programming 8-pin to 40-pin IC's
- Utilizes flexible pin drivers to get accurate waveforms
- High programming speed plus over-current protection, reverse insertion detection, self diagnostics, etc.
- Single chip controller, "Yes" key for hit operation, Good and Busy LED indicators
- Load file, read master, program, verify, auto, ID check, check sum, blank check, erase, secure, protect/unprotect, edit, function configuration, and self-test functions
- Power requirements: 100 - 240VAC@ 50-60Hz
- Size: 9.8"W x 8.7"L x 2.0"H

Includes: USB cable (USB A - USB B), power cord, users manual and CD-ROM software

System Requirements: Intel Pentium® or compatible processor w/ 32MB of RAM, USB port, 20MB disk space, Windows® 98/ME/2000/XP/2003, CD-ROM drive

Part No.	Product No.	1	5
667403CK	ALL-11A 	\$899.95	\$854.95

For more programmers, see pages 298-299

Amphenol Connex

Universal Hand Crimp Tools

Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.

- 667850CK / 667884CK / 667892CK / 667905CK / 668027CK: for BNC/TNC connectors
- 667868CK / 667981CK: for N type connectors

- 667921CK: for BNC / TNC / N type connectors

Part No.	Product No.	Crimp Tool	Die Cavities (in.)	Cable Groups	1	5
667850CK	47-10070	A	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400	\$45.65	\$42.75
667905CK	47-10150	B	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196	45.65	42.75
667868CK	47-10090	D	.429/.100/.080	RG-8/11/213/214/225/393/N Series	45.65	42.75
667981CK	47-10230	D	.429/.213/.100	RG-8/11/213/214/225/393/58/141/223/55/142/400	46.75	44.99
667884CK	47-10110	E	.324/.255/.068/.042	RG-6/59/B8281	45.65	42.75
667892CK	47-10120	F	.213/.178/.068/.042	RG-58/174/188/316/179/187/142/141/223/400/55	46.75	44.99
667921CK	47-10180	J	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	45.65	42.75
667964CK	47-10210	L	.429/.118	LMR400/B9913/B9914/B7810A	45.65	42.75
668027CK	47-10270	R	.178/.128/.068/.042	BNC/TNC .068 and .042 crimp center contact	48.45	46.14

See pages 142-143 for our extensive selection of Amphenol Connex connectors and adapters. More tooling at www.jameco.com.



.050" (1.27mm) 168-Position DIMM Socket

- Accepts JEDEC MO-161 modules
- 662813CK / 662821CK / 662830CK / 662848CK: beveled metal pin, forklock PCB retention
- 668529CK / 668545CK / 668537CK: press-fit plastic peg PCB retention
- Contact resistance: 30mΩ max.
- Withstanding volt.: 500VAC
- Current (max.): 1.0A
- Contact: phosphor bronze
- Under plating: nickel

- Insulation resistance: 1000MΩ min
- Contact plating: gold over palladium nickel
- Voltage (max.): 100V
- UL94V-0
- Durability: 25 cycles (min.)
- Housing: liquid crystal polymer
- Plating tail: tin/lead
- Temperature range: -40°C to $+85^{\circ}\text{C}$

Part No.	Prod. No.	Description	Function Key	Voltage Key	1	10	25	50
662813CK	71736-0001	DRAM, 3.3V	Detail Y	Detail Y	\$3.69	\$3.43	\$3.10	\$2.79
662821CK	71736-0002	DRAM, 5.0V	Detail Y	Detail Z	3.69	3.43	3.10	2.79
662830CK	71736-0005	Unbuff., 5.0v	Detail X	Detail Z	3.35	3.09	2.78	2.57
662848CK	71736-0006	SDRAM, 3.3V	Detail Z	Detail Y	3.69	3.43	3.10	2.79
668529CK	71251-0001	DRAM, 3.3V	Detail Y	Detail Y	3.75	3.56	3.32	3.13
668545CK	71251-0002	Unbuff., 3.3V	Detail X	Detail Y	4.45	4.27	4.08	3.71
668537CK	71251-0016	SDRAM, 3.3V	Detail Z	Detail Y	4.45	4.27	4.08	3.71

See page 135 for SIMM and DDR DIMM Sockets.

Terminal Block Jumper

For connecting between adjacent terminals or alternate terminals. Use with Series 140 terminal blocks, pg 147.

- 2-position
- Brass with nickel plating

Part No.	Product No.	1	25	50
659382CK	140J-1	\$.22	\$.196	\$.182



Safety Stripe Tape


3M™ Safety Stripe Tape 5702 Black/Yellow, 5.4 mil (0.14 mm) vinyl backing with rubber adhesive, resists most common solvents.

- Color: black and yellow
- Size: 2" wide x 36 yards long * Minimum order 12 rolls

Part No.	Product No.	1	12
651882CK	5702 	* \$37.50	

USB 2.0 Cables

- Color: black
- Length: 6 ft.

Part No.	Product No.	1	5
673715CK	USB-A to mini 4-pin 	\$2.99	\$2.65
673694CK	USB-A to mini 5-pin	\$2.75	\$2.35

For more USB cables, see page 107

3M Vinyl Tape

The 3M™ Vinyl Tape 471 with rubber adhesive and vinyl backing provides a clean removal in any application. Conformable and dead stretch properties to provide straighter lines. Maintains color throughout even when exposed to heavy abrasion.

- Color: red • 5.2mil (0.13mm) thick
- Size: 2" wide x 36 yards long * Minimum order 12 rolls

Part No.	Product No.	1	12
645159CK	471 	* \$31.55	

Find our selection of 3M Products on pages 111, 112, 151, 187, 283 & 290-291.

Jameco: Great Products. Awesome Prices. You'll Be Smiling Too!

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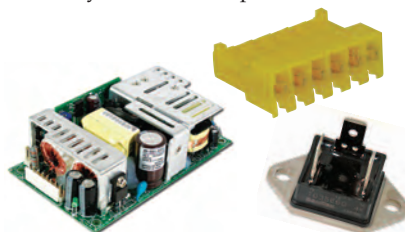
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